

SEQUENCE LISTING

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<120> INSULIN AND IGF-1 RECEPTOR AGONISTS AND ANTAGONISTS

<130> 1878-4051

<140> 09/538,038

<141> 2000-03-29

<160> 2653

<170> PatentIn Ver. 2.1

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 Ile Arg Asp Met His Tyr Val Trp Val Gln Asp Arg Asp Arg Tyr Ile
 1 5 10 15
 Asn Gly Val Arg Gln Trp Tyr Ile Ser Asp Arg Tyr Asn Pro Gly Ser
 20 25 30
 Ala Phe Tyr Arg Trp Phe Ile Asp
 35 40

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<400> 2
 Arg Met Gly Leu Gln Ala Leu Ala His Tyr Arg Lys Ser Ala Gly Pro
 1 5 10 15
 Ile Phe Leu Ser Ser Gly Ser Val Ile Lys Gly Ser Glu Gly Asp Pro
 20 25 30
 Phe Tyr Ala Trp Phe Arg Leu Gln
 35 40

<210> 3
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<400> 3
 Met Pro Val Ser Leu Phe Arg Arg Val Trp Asp Tyr Arg Asp Gly Glu
 1 5 10 15
 His Glu Thr Leu Glu Ser His Tyr Val Val Pro Gln Ala Ala Leu Asp
 20 25 30

Arg Leu Phe Tyr Ser Trp Phe Ser
35 40

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<400> 4
Pro Leu Tyr Gly Gly Gly Ile His Leu Tyr Tyr Pro Gly Thr Met Gly
  1                      5                      10                      15
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Tyr Val Pro Gly Phe Pro Arg Gln Val Lys Val Leu Gly Asp Ala Asp
20 25 30

Lys Asn Phe Tyr Asp Trp Phe Met
35 40

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      peptide
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<400> 5
Tyr Arg Gly Met Leu Val Leu Gly Arg Ile Ser Asp Gly Ala Gly Lys
  1             5             10             15
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Val Ala Ser Glu Pro Pro Ala Arg Ile Gly Gln Lys Val Phe Ala Val
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

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      peptide
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<400> 6
Ser Gly Cys Cys Arg Leu Leu Gly Leu Arg Trp Met Phe Ile Val Ile
1 5 10 15

Val Gly Trp Ser Gly Ala Leu Val Cys Gln Ser Ala Ala Ser Ala Ala
 20 25 30

Gly Phe Tyr Asp Trp Phe Val
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<210> 7
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<220>
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<400> 7
 Ile Gly Gly Gln Gly Gln His Gln Asp Gly Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Glu Ala Leu Ala
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<400> 8
 Val Phe Trp Asn Cys Arg Ser Gln Gln Leu Asp Phe Tyr Glu Trp Phe
 1 5 10 15

Glu Gln Ala Ala
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<210> 9
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<400> 9
 Arg Val Ala Gly Ala Ile Ser Ala Pro Gly Leu Val Ser Asn Lys Gln
 1 5 10 15

Asp Gly Leu Phe Tyr Ser Trp Phe Arg Glu
 20 25

<210> 10
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peptide

<400> 10
Val Leu Gln Ala Arg His Gly Cys Asp Ser Val Ser Asp Cys Phe Tyr
1 5 10 15
Glu Trp Phe Ala
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<210> 11
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peptide

<400> 11
Gly Ala Phe Tyr Arg Trp Phe His Glu Ala Leu Val Gly Ser Glu Arg
1 5 10 15
Val Pro Asp Val
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<210> 12
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peptide

<400> 12
His Glu Ala Phe Tyr Asp Trp Phe Ser Ala Leu Val Asp Gly Gly Tyr
1 5 10 15
Glu Leu Met Gly
20

<210> 13
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<400> 13

Arg	Ile	Gly	Gly	Gly	Trp	Ala	Arg	Ser	Glu	Gly	Phe	Tyr	Glu	Trp	Phe
1				5					10					15	

Val	Arg	Glu	Leu
			20

<210> 14

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<223> Xaa represents a variable or unknown amino acid

<400> 14

Leu	Pro	Ala	Gly	Gly	Ala	Xaa	Gly	Phe	Ala	Xaa	Arg	Gly	Phe	Tyr	Glu
1				5					10					15	

Trp	Phe	Glu	Ser
			20

<210> 15

<211> 20

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<400> 15

Gly	His	Ser	Trp	Ala	Leu	Val	Arg	His	Val	Asp	Arg	Leu	Phe	Tyr	Glu
1				5					10					15	

Trp	Phe	Asp	Leu
			20

<210> 16

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<400> 16

Leu Gly Thr Ser Ala Gly Gln Gly Val Gly His Arg Ala Phe Tyr Gln
 1 5 10 15

Trp Phe Gln Ser
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<210> 17

<211> 20

<212> PRT

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 peptide

<400> 17

Arg Gly Gly Gly Thr Phe Tyr Glu Trp Phe Glu Ser Ala Leu Arg Lys
 1 5 10 15

His Gly Ala Gly
 20

<210> 18

<211> 20

<212> PRT

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<223> Description of Artificial Sequence: synthetic
 peptide

<400> 18

Asn Ser Ser Gly Gln Gln Val Val Gly Leu Thr Phe Tyr Ser Trp Phe
 1 5 10 15

Ala Ser Gln Val
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<210> 19

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<212> PRT

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 peptide

<400> 19

Phe Tyr Gly Trp Phe Ser Arg Gln Leu Ser Leu Thr Pro Arg Asp Asp
 1 5 10 15

Trp Gly Leu Pro
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<210> 20
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<220>
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peptide

<400> 20
Arg Met Phe Tyr Glu Trp Phe Trp Ser Gln Met Gly Ala Gly Pro Thr
1 5 10 15

Glu Gly Ser Ala
20

<210> 21
<211> 21
<212> PRT
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peptide

<400> 21
Ile Gly Gly Gln Gly Gln His Gln Asp Gly Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Glu Ala Leu Ala
20

<210> 22
<211> 20
<212> PRT
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<220>
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peptide

<400> 22
Arg Asp Lys Pro Thr Asp Gln Glu Glu Gln Asn Trp Ser Phe Tyr Glu
1 5 10 15

Trp Phe Arg His
20

<210> 23
<211> 20

<212> PRT
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<220>
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peptide

<400> 23
Trp Ser Ala Leu Leu Ser Val Met Asp Thr Gly Phe Tyr Ala Trp Phe
1 5 10 15

Asp Asp Ala Val
20

<210> 24
<211> 20
<212> PRT
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peptide

<400> 24
Ser Arg Asp Gln Thr Asn Phe Thr Phe Asn Ser Ala Gly Phe Tyr Gly
1 5 10 15

Trp Phe Glu Arg
20

<210> 25
<211> 17
<212> PRT
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<220>
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peptide

<400> 25
Gly Val Gly Thr Leu Thr Met Ser Ser Asp Ala Phe Tyr Thr Trp Phe
1 5 10 15

Val

<210> 26
<211> 16
<212> PRT
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<220>
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peptide

<400> 26

Ile Gly Gly Ser Phe Val Glu Phe Tyr Gly Trp Phe Asn Asp Gln Val
 1 5 10 15

<210> 27

<211> 20

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<223> Description of Artificial Sequence: synthetic peptide

<400> 27

Asp Ile Gly Ser Asp Gly His Gly Arg Arg Trp Asp Ser Phe Tyr Arg
 1 5 10 15

Trp Phe Glu Met
 20

<210> 28

<211> 20

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<223> Description of Artificial Sequence: synthetic peptide

<400> 28

Val Leu Gln Ala Arg His Gly Cys Asp Ser Val Ser Asp Cys Phe Tyr
 1 5 10 15

Glu Trp Phe Ala
 20

<210> 29

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

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<400> 29

Asp Pro Glu Arg Met Gln Ser Asp Val Gly Phe Tyr Glu Trp Phe Arg
 1 5 10 15

Ala Ala Val Gly
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<210> 30
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<212> PRT
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<400> 30
Asp Pro Glu Arg Met Gln Ser Asp Val Gly Phe Tyr Glu Trp Phe Arg
1 5 10 15

Ala Ala Val Gly
20

<210> 31
<211> 20
<212> PRT
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<220>
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peptide

<400> 31
Asp Ile Gly Ser Asp Gly His Gly Arg Arg Trp Asp Ser Phe Tyr Arg
1 5 10 15

Trp Phe Glu Met
20

<210> 32
<211> 20
<212> PRT
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<220>
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peptide

<400> 32
Pro Phe Tyr Gln Trp Phe Leu Asp Gln Ser Val Gly Gly Ser Arg Gly
1 5 10 15

Gly Gly Leu Arg
20

<210> 33
<211> 20
<212> PRT
<213> Artificial Sequence

<220>

12/813

<223> Description of Artificial Sequence: synthetic peptide

<400> 33

Ala Val Ala Pro Leu Ser Val Arg Gly Arg Asp Ser Gly Phe Tyr Ser
1 5 10 15

Trp Phe Ser Ser
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<210> 34

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<223> Xaa represents a variable or unknown amino acid

<400> 34

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Xaa Xaa Xaa Xaa
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<210> 35

<211> 21

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<220>

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<400> 35

Gly Arg Val Asp Trp Leu Gln Arg Asn Ala Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ala Glu Leu Gly
20

<210> 36

<211> 21

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<400> 36

Arg	Met	Tyr	Phe	Ser	Thr	Gly	Ala	Pro	Gln	Asn	Phe	Tyr	Asp	Trp	Phe
1				5					10					15	

Val	Gln	Glu	Trp	Asp
				20

<210> 37

<211> 21

<212> PRT

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<223> Description of Artificial Sequence: synthetic peptide

<400> 37

His	His	Thr	Gln	Gly	Leu	Gln	Val	Gln	Arg	Asn	Phe	Tyr	Asp	Trp	Phe
1				5					10					15	

Val	Asn	Glu	Leu	Arg
				20

<210> 38

<211> 21

<212> PRT

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<223> Description of Artificial Sequence: synthetic peptide

<400> 38

Met	His	Arg	Met	Gln	His	Asp	Gly	Thr	Ser	Asn	Phe	Tyr	Asp	Trp	Phe
1				5					10					15	

Val	Leu	Gln	Trp	Ala
				20

<210> 39

<211> 21

<212> PRT

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<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 39

Ala	Met	His	Val	Val	Ala	Gln	Gly	Gly	Pro	Asn	Phe	Tyr	Asp	Trp	Phe
1				5					10					15	

Val	Arg	Glu	Leu	Arg
				20

<210> 40
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peptide

<400> 40
Ala Ile Gln Met Asn Gly Asn Leu Ala Phe Asn Phe Tyr Asp Trp Phe
1 5 10 15
Val Arg Glu Leu Thr
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<210> 41
<211> 21
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<220>
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peptide

<400> 41
Thr Asp Arg Lys Ser Val Gln Glu Pro Arg Asn Phe Tyr Asp Trp Phe
1 5 10 15
Val Trp Ala Ala Arg
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<210> 42
<211> 21
<212> PRT
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<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 42
Pro His Gly His Arg Gly Phe Ala Gln Ser Asn Phe Tyr Asp Trp Phe
1 5 10 15
Val Thr Gln Glu Glu
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<210> 43
<211> 21
<212> PRT
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<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 43

Arg	Leu	Ala	Ser	Ala	Ser	Val	Pro	Gly	Gln	Asn	Phe	Tyr	Asp	Trp	Phe
1				5					10					15	

Val	Asp	Gln	Leu	Leu
			20	

<210> 44

<211> 21

<212> PRT

<213> Artificial Sequence

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<400> 44

Arg	Gln	Ser	Glu	Phe	Ser	Thr	Leu	Asn	Ser	Asn	Phe	Tyr	Asp	Trp	Phe
1				5					10					15	

Val	Arg	Glu	Leu	Glu
			20	

<210> 45

<211> 21

<212> PRT

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<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 45

Gly	Gln	Ala	Gln	Leu	Ser	Ile	Arg	Asp	Val	Asn	Phe	Tyr	Asp	Trp	Phe
1				5					10					15	

Val	Gln	Gln	Leu	Val
			20	

<210> 46

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 46

Met Ser Glu Pro Ala Val Gly Val Asn Gly Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Ala Gln Leu Phe
 20

<210> 47
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
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<400> 47
 Val Gly Thr Gly Arg Ala Arg Leu Asp Arg Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Gly Gln Tyr Ser
 20

<210> 48
 <211> 21
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 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
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<400> 48
 Ser Arg Glu Ala Val Gln Lys Arg Asn Ala Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Gln Gln Leu Ser
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<210> 49
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 peptide

<400> 49
 Leu Ala Gln Phe Ala Gly Ser Arg Asn Gln Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Glu Gln Leu Gly
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<210> 50
 <211> 21
 <212> PRT
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<220>
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<400> 50
 Gly Gln Glu Tyr Phe Asp Gln Met Gly Leu Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Arg Glu Leu Asp
 20

<210> 51
 <211> 21
 <212> PRT
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<220>
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<400> 51
 Arg Gln Pro Ser Gln Pro Pro His Gly Ser Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Glu Ala Ile Asn
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<210> 52
 <211> 21
 <212> PRT
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<220>
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<400> 52
 Leu Met Gln Ser Leu Gly Ser Gly Ser Thr Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Gln Gln Met Val
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<210> 53
 <211> 21
 <212> PRT
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<220>

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<400> 53

Asp Gln Gln Arg Ser Ala Cys Asp Gly Thr Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Cys Gln Leu Ser
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<210> 54

<211> 21

<212> PRT

<213> Artificial Sequence

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<400> 54

Leu Asp Gly Thr Lys Ala Cys Gln Arg Val Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Cys Gln Thr Glu
20

<210> 55

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 55

Pro Glu Ala Arg Arg Thr Val Val His Ser Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ala Gln Leu Ser
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<210> 56

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

19/813

<400> 56

Pro Trp Met Leu Ser Val Gly Ile Gln Asp Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Gly Leu Asp Ser
20

<210> 57

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 57

Ala Ser His Gln Arg Gly Gly Ser Ser Asp Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ala Gln Met Arg
20

<210> 58

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 58

Thr Leu Glu Arg Glu Gly Glu Phe Ser Gly Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Glu Gln Leu His
20

<210> 59

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 59

Asp Arg Gln Ser Ile Gly Ser Val His Gly Asp Phe Tyr Asp Trp Phe
1 5 10 15

Val Ser Ala Leu Gly
20

<210> 60
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 60
Asp Trp Asp Lys Leu Gly Ser Leu Ser Glu Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Asp Gln Leu Ala
20

<210> 61
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 61
Val Arg Val Val Leu Asn Gln Ser Gly Arg Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ile Gln Leu Glu
20

<210> 62
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 62
Met Ala Ser Trp Gln Ser Arg Thr Pro Asp Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Arg Glu Leu Ser
20

<210> 63
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 63

Thr	Thr	Cys	His	Pro	Arg	Gly	Glu	Asp	Cys	Asn	Phe	Tyr	Asp	Trp	Phe
1				5				10						15	

Val	Leu	Gln	Leu	Arg
			20	

<210> 64

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 64

Val	Arg	Gly	Asn	Asp	Ser	Val	Leu	Arg	Ala	Asn	Phe	Tyr	Asp	Trp	Phe
1				5				10						15	

Val	Asp	Gln	Leu	Ser
			20	

<210> 65

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 65

Thr	Pro	Arg	Ser	Gln	Val	Arg	Ser	Asp	His	Asn	Phe	Tyr	Asp	Trp	Phe
1				5				10						15	

Val	Tyr	Gln	Leu	Ala
			20	

<210> 66

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 66

Glu Ser Leu Thr Gly Ser Arg Pro Asp Arg Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Gln Gln Thr Ser
 20

<210> 67

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 67

Pro Gln Ser Leu Thr Glu Val Arg Thr Gly Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Val Gln Leu His
 20

<210> 68

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 68

Asp Val Gly Met Gly Arg Val Lys Glu Thr Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Arg Gln Leu Ile
 20

<210> 69

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 69

Gly Ala Asp Asp Ile Arg Ser Leu Asn Thr Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Asn Gln Leu Ser
 20

<210> 70
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 70
 Gly Val Ser Ile Gln Ala Gly Tyr Lys Thr Asn Phe Tyr Asp Trp Phe
 1 5 10 15
 Val Glu Ala Val Arg
 20

<210> 71
 <211> 21
 <212> PRT
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<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 71
 Val Gly Glu His Arg Gln Met Ser Val Gly Asn Phe Tyr Asp Trp Phe
 1 5 10 15
 Val Met Gln Ile Ala
 20

<210> 72
 <211> 21
 <212> PRT
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<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 72
 Gly Ser Ser Leu Gly Arg Ser Gly Pro Gly Asn Phe Tyr Asp Trp Phe
 1 5 10 15
 Val Asp Gln Leu Glu
 20

<210> 73
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 73

His	Arg	Gln	Gln	Asp	Val	Val	Arg	Gln	Gly	Asn	Phe	Tyr	Asp	Trp	Phe
1				5					10					15	

Val	Gln	Ala	Leu	Glu
				20

<210> 74

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 74

Gln	Asp	Thr	Phe	Leu	Thr	Ala	Arg	Glu	Gly	Asn	Phe	Tyr	Asp	Trp	Phe
1				5					10					15	

Ile	Arg	Ala	Leu	Glu
				20

<210> 75

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 75

Glu	Ala	Ile	Met	Arg	Glu	Glu	Gly	Gln	Ala	Asn	Phe	Tyr	Asp	Trp	Phe
1				5					10					15	

Val	Arg	Gln	Leu	Glu
				20

<210> 76

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 76

Val Cys Asp Val Ser Thr Gly Gly Gly Thr Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Cys Gln Val Gly
20

<210> 77

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 77

Pro Gln Pro Arg Ser Ala Ser Thr Pro Leu Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Gln Ala Thr Gly
20

<210> 78

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 78

Gly Val Ser Arg Gly Ser Gly Gly Asp Pro Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Met Gln Leu Arg
20

<210> 79

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 79

Gly Pro Gly Arg His Asp Ser Ser Arg Gly Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Glu Gln Leu Ala
20

<210> 80
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 80
 Glu Arg Phe Ala Leu Glu Val Gln Gly Ser Asn Phe Tyr Asp Trp Phe
 1 5 10 15
 Val Arg Gln Val Ile
 20

<210> 81
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 81
 Asn Leu Lys Ser Ser Ala Thr Val Gly Gly Asn Phe Tyr Asp Trp Phe
 1 5 10 15
 Val Glu Gln Leu
 20

<210> 82
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 82
 Met Glu Gly Pro Pro Ala Gly Gly Pro Leu Asn Phe Tyr Asp Trp Phe
 1 5 10 15
 Val Ala Gln Val Asp
 20

<210> 83
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 83

Arg	Leu	Asp	Val	Ala	Gly	His	Arg	Gly	Gly	Asn	Phe	Tyr	Asp	Trp	Phe
1				5				10						15	

Val	Lys	Gln	Leu	His
			20	

<210> 84

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 84

Pro	Trp	Ser	Asp	His	Glu	Ala	Leu	Asn	Gln	Asn	Phe	Tyr	Asp	Trp	Phe
1				5				10						15	

Val	Ser	Gln	Val	Leu
			20	

<210> 85

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 85

Glu	Asp	Arg	Leu	Gly	Asn	Gly	Glu	Ser	Thr	Asn	Phe	Tyr	Asp	Trp	Phe
1				5				10						15	

Val	Arg	Gln	Leu	Ala
			20	

<210> 86

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 86

Gly Lys Leu Val Ala Ser Thr Leu Asp Asp Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Arg Gln Leu Ser
 20

<210> 87

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 87

Ser Gly Pro Val Val Gln Thr Gln Asn Gly Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val His Gln Leu Arg
 20

<210> 88

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 88

Val Asp Arg Ala Gly Pro Ala Gly Ser Asp Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Ala Gln Leu Asp
 20

<210> 89

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 89

Ser Leu Gly Arg Asn Asp Arg Pro Asp Glu Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Ser Gln Val Gln
 20

<210> 90
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 90
 Arg Val Met Ala Thr Ala Asn Ala Pro Met Asn Phe Tyr Asp Trp Phe
 1 5 10 15
 Val Val Gln Leu Gln
 20

<210> 91
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 91
 Asn Gly Val Glu Arg Ala Gly Thr Gly Asp Asn Phe Tyr Asp Trp Phe
 1 5 10 15
 Val Ala Gln Leu His
 20

<210> 92
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 92
 Pro Phe Ala Gly Lys Gly Asp Lys Thr Gly Asn Phe Tyr Asp Trp Phe
 1 5 10 15
 Val Ser Leu Thr Gly
 20

<210> 93
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 93

Gly	Met	Pro	Gln	Glu	Tyr	Met	Asp	Gln	Val	Asn	Phe	Tyr	Asp	Trp	Phe
1				5					10					15	

Val	Ala	Gln	Val	Asp
			20	

<210> 94

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 94

Met	Gly	Thr	Pro	Ala	Val	Gly	Asp	Gly	Ala	Asn	Phe	Tyr	Asp	Trp	Phe
1				5					10					15	

Val	Arg	Gln	Leu	Gly
			20	

<210> 95

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 95

Ser	Lys	Cys	Lys	Ala	Trp	Tyr	Gly	Ala	Asn	Asn	Phe	Tyr	Asp	Trp	Phe
1				5					10					15	

Val	Trp	Gln	Val	Asp
			20	

<210> 96

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 96

Glu Ala Ala Ser Leu Gly Ser Gln Asp Arg Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Arg Gln Val Val
 20

<210> 97

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 97

Val Glu Arg Ser Ala Ser Ser Gln Asp Gly Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Val Gln Ile Arg
 20

<210> 98

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 98

Thr Ser Glu Val Gln Arg Arg Ser Gln Asp Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Ala Gln Val Ala
 20

<210> 99

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 99

Glu Arg Ser Ala Ala Gly Phe Arg Glu Gly Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Ala Gln Val Asn
 20

<210> 100
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 100

Arg	Ala	Glu	Arg	Gly	Ser	Met	Arg	Asp	Ser	Asn	Phe	Tyr	Asp	Trp	Phe
1				5				10						15	

Val	Gln	Gln	Leu	Pro
			20	

<210> 101
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 101

Leu	Ala	Met	Ser	Val	Ala	Ser	Arg	Pro	Ala	Asn	Phe	Tyr	Asp	Trp	Phe
1				5				10						15	

Val	Ala	Gln	Ile	Val
			20	

<210> 102
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 102

His	Asn	Ser	Ser	Ser	Pro	Met	Arg	Thr	Gly	Asn	Phe	Tyr	Asp	Trp	Phe
1				5				10						15	

Val	Gln	Glu	Leu	Arg
			20	

<210> 103
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 103

Ser	Ala	Leu	Ser	Gly	Pro	Val	Gln	Pro	Ile	Asn	Phe	Tyr	Asp	Trp	Phe
1				5					10					15	

Val	Thr	Gly	Met
			20

<210> 104

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 104

Gly	Ala	Gln	Ala	Ile	Arg	Glu	Ile	His	His	Asn	Phe	Tyr	Asp	Trp	Phe
1				5					10					15	

Val	Ala	Gln	Val	Thr
				20

<210> 105

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 105

Arg	Gly	Gln	Arg	Glu	Ser	Asp	Ser	Gly	Thr	Asn	Phe	Tyr	Asp	Trp	Phe
1				5					10					15	

Val	Gly	Ala	Ile	Arg
				20

<210> 106

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 106

Val Gln Glu Gly Leu Ser Gly Met Glu Gly Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Asp Gln Leu Phe
 20

<210> 107
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 107
 Arg Leu Asp Arg Ser Ser Thr Ser Gly Val Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Ala Gln Val Gly
 20

<210> 108
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 108
 Gly Ser Gln His Ser Gly Arg Glu Pro His Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Ala Gln Val Gly
 20

<210> 109
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 109
 Gly Arg Gly Asp Gln Arg His Glu Thr Thr Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Arg Glu Leu Gln
 20

<210> 110
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 110
 Pro Arg Met Val Glu Lys Pro Ser Glu Asp Asn Phe Tyr Asp Trp Phe
 1 5 10 15
 Val Thr Gln Leu Ser
 20

<210> 111
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 111
 Arg Val Gly Ile Gln Val Asp Pro His Thr Asn Phe Tyr Asp Trp Phe
 1 5 10 15
 Val Ile Gln Leu Thr
 20

<210> 112
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 112
 Arg Ser Ser Gly Gly Leu Leu Ser Gln Gly Asn Phe Tyr Asp Trp Phe
 1 5 10 15
 Val Ser Gln Leu Glu
 20

<210> 113
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 113

Ser	Asp	Ala	Arg	Gln	Ala	Gly	Leu	Gln	Glu	Asn	Phe	Tyr	Asp	Trp	Phe
1				5				10						15	

Val	Ser	Gln	Val	Arg
			20	

<210> 114

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 114

Pro	Pro	Tyr	Arg	Ser	Ser	Arg	Leu	Gly	Glu	Asn	Phe	Tyr	Asp	Trp	Phe
1				5				10						15	

Val	Met	Gln	Val	Arg
			20	

<210> 115

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 115

Gln	Glu	Val	Thr	Arg	Thr	Arg	Asp	Asp	Lys	Asn	Phe	Tyr	Asp	Trp	Phe
1				5				10						15	

Val	Ser	Gln	Ile	Phe
			20	

<210> 116

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 116

Ser Arg Ala Pro Tyr Gly Ser Thr Ala Gly Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Gln Ala Val Ser
 20

<210> 117

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 117

Xaa Asp Gly Gln Ser Val Ser Ser Lys Gly Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Gln Gln Met Thr
 20

<210> 118

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 118

Arg Leu Met Gly Gly Ile Ala Glu Pro Gln Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Arg Glu Val Ala
 20

<210> 119

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 119

Ser Ala Gly His His Met Pro Arg Glu Ser Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Asp Gln Val Val
20

<210> 120
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 120
Leu Gly Ala Ala Glu Thr Trp Asp Gly Ile Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Lys Gln Val Ser
20

<210> 121
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 121
Val Gly His Ser Gly Val Pro Pro Tyr Pro Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Met Gln Val Ser
20

<210> 122
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 122
Val Thr Met Leu Asp Lys Gly Ala Gln Asp Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Arg Glu Val Ala
20

<210> 123

<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 123
His His Ser Pro Gly Asn Glu His Gly Tyr Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Leu Gln Val Ala
20

<210> 124
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 124
Gly Ser Ile Ala Gln Leu Ile Met Arg Ala Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Glu Gln Thr Asn
20

<210> 125
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 125
Leu Lys Gly Ser Ser Gln Pro Leu Ser Val Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Gln Gln Ile Lys
20

<210> 126
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic

peptide

<400> 126

Pro Ala Ser Asn Lys Asn Ser Leu Ala Glu Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Gln Gln Thr Arg
 20

<210> 127

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 127

His Val Glu His Met Ala Val Gly Asp Gly Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Val Gln Leu Arg
 20

<210> 128

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 128

Arg Gly Met Thr Gly Met Val Gly Arg Gly Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Gly Gln Leu Arg
 20

<210> 129

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 129

Gly Leu Arg Ser Glu Gln Gly Asn Arg Leu Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Ala Gln Ile Ala
20

<210> 130
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 130
Arg Val Arg Glu Lys Leu Pro Arg Pro Glu Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Asn Gln Ile His
20

<210> 131
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 131
Ser Asn Pro Ser Arg Gln Asp Ala Ser Val Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Arg Glu Val Ala
20

<210> 132
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 132
Gln Ser Val Asp Leu Ser Arg Pro Asp Ser Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Glu Val Leu Ser
20

<210> 133
<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 133

Ile Gly Gly Gln Gly Gln His Gln Asp Gly Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Glu Ala Leu Ala
20

<210> 134

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 134

Val Glu Val Gln Arg His Ile Arg Lys Asp Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Lys Gln Ile Asp
20

<210> 135

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 135

Cys Trp Ala Arg Pro Cys Gly Asp Ala Ala Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Gln Gln Ala Ser
20

<210> 136

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 136

Arg His Glu Arg Gly Lys Glu Gly Pro Gly Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Ser Gln Val Val
 20

<210> 137

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 137

Glu Arg Ser Pro Arg Pro Ala Leu Ala Ser Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Gln Gln Val Val
 20

<210> 138

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 138

Ile Ala Arg Met Arg Glu Thr Phe Gln Pro Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Asp Gln Leu Ala
 20

<210> 139

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 139

Gly Arg Gly Gln Gly Leu Lys Arg Pro Asp Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Ala Ala Ala Lys
20

<210> 140
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 140
Tyr Ser Ile Glu Val Gln Asp Trp Asn Glu Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ser Gln Leu Gly
20

<210> 141
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 141
Thr Trp Met Trp Glu Glu Arg Lys Gln Asp Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Gly Gln Leu Lys
20

<210> 142
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 142
Val Thr Phe Thr Ser Ala Val Phe His Glu Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Arg Gln Val Ser
20

<210> 143
<211> 21

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 143
Leu Ala Ile Asn Asp Leu Val Thr His Lys Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Asp Gln Leu Arg
20

<210> 144
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 144
Gly Ala Val Gly Leu Ala Glu Ala Gly Pro Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ser Gln Val Gln
20

<210> 145
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 145
Arg Tyr Arg Gly Glu Arg His Asp Gly Arg Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Glu Gln Val Asn
20

<210> 146
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 146

Gln Gly Ala Glu Gly Arg Leu Ser Glu Gly Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Gln Ala Val Ser
20

<210> 147

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 147

Pro Arg Leu His Met Gly Ser Asp Met Gly Asp Phe Tyr Asp Trp Phe
1 5 10 15

Val Val Gln Ile Ala
20

<210> 148

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 148

Ile Val Ala Gly Ala Arg His Ser Glu Val Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ile Gln Val Arg
20

<210> 149

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 149

Ala Glu Leu Val Gly Ala Gly Val Arg Gly Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Asp Gln Leu Val
20

<210> 150
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 150
Asp Ser Ser Arg Leu Trp Leu Gly Glu Arg Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ala Gln Ile Ser
20

<210> 151
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 151
Val Gly Gln Val Gly Arg Tyr Val Arg Ser Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Gln Gln Ala Met
20

<210> 152
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 152
Arg Pro Gln Leu Val Glu Ser Gly Ser Lys Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Gln Val Val Arg
20

<210> 153
<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 153

Arg	Ile	His	Asn	Gln	Thr	Glu	Arg	Gly	Gly	Asn	Phe	Tyr	Asp	Trp	Phe
1				5				10						15	

Val	His	Gln	Leu	Val
			20	

<210> 154

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 154

Glu	Met	Tyr	Gly	Asp	Thr	Ser	Glu	Arg	Val	Asn	Phe	Tyr	Asp	Trp	Phe
1				5				10						15	

Val	Ser	Ala	Leu	Gln
			20	

<210> 155

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 155

Arg	Val	Gly	Ser	Gly	Met	Glu	Asp	Leu	Gly	Asn	Phe	Tyr	Asp	Trp	Phe
1				5				10						15	

Val	Arg	Gln	Ala	Gln
			20	

<210> 156

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 156

Lys Asp Pro Val Thr Val Ser Gln Gly Arg Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Val Gln Ile Gln
 20

<210> 157

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 157

Asp Ala Arg Asp His Gly Val Trp Val Met Ser Asn Phe Tyr Asp Trp
 1 5 10 15

Phe Val Ala Gln Val Ser
 20

<210> 158

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 158

Val Ala Thr Val His Val Gly Gly Gly Met Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Ala Gln Val Gly
 20

<210> 159

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 159

Cys Ala Asp Pro Gly Ala Cys Ser Ser Leu Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Gln Met Arg Gly
20

<210> 160
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 160
Asn Pro Thr Ser Val Gln Gln Tyr Gly Val Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Asn Val Leu Ser
20

<210> 161
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 161
Arg Pro Ser Leu Pro Glu Val Arg Pro Gly Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Gln Ser Val Arg
20

<210> 162
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 162
Ser Leu Gln Gly Ala Asp Phe Gln Gln Gly Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ser Glu Leu Ala
20

<210> 163
<211> 21

<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 163

Leu Ser Ser Arg Gly Arg Val Thr Met Arg Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ala Gln Val Val
20

<210> 164

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 164

His Lys Ser Trp Thr Thr Met Ser Pro Leu Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ala Gln Val Glu
20

<210> 165

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 165

Arg Pro Val Ile Gly Gly Gly Gly Thr Arg Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ala Gln Met Ile
20

<210> 166

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 166

Tyr Asp Gln Asp Pro Pro Tyr Trp Gly Leu Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Arg Glu Val Ala
 20

<210> 167

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 167

Tyr Arg Gly Met Leu Val Leu Gly Arg Ile Ser Asp Gly Ala Gly Lys
 1 5 10 15

Val Ala Ser Glu Pro Pro Ala Arg Ile Gly Gln Lys Val Phe Ala Val
 20 25 30

Asn Phe Tyr Asp Trp Phe Val
 35

<210> 168

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 168

Gln Arg Gly Met Leu Val Arg Gly Arg Ile Ser His Gly Ala Gly Lys
 1 5 10 15

Ile Ala Tyr Glu Pro Pro Asp Cys Leu Gly Gln Lys Ala Cys Ala Val
 20 25 30

Asn Phe Tyr Asp Trp Phe Val
 35

<210> 169

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 169

Gln Arg Gly Met Leu Leu Leu Gly Arg Ile Ser Asp Asp Ala Gly Lys
 1 5 10 15

Val Ala Ser Glu Pro Ser Ala Arg Arg Gly Gln Lys Val Phe Ala Phe
 20 25 30

Asn Phe Tyr Asp Trp Phe Val
 35

<210> 170

<211> 38

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 170

Tyr Arg Gly Ile Leu Val Leu Gly Arg Ile Ser Glu Gly Ala Gly Lys
 1 5 10 15

Val Ala Ser Glu Pro Ala Ala Arg Ile Gly Gln Lys Val Phe Ala Asp
 20 25 30

Phe Tyr Asp Trp Phe Val
 35

<210> 171

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 171

Gln Arg Gly Met Leu Ala Leu Gly Arg Ile Ser Asp Gly Ala Gly Lys
 1 5 10 15

Val Ala Ser Glu Pro Pro Ala Gly Ile Gly Gln Lys Val Phe Ala Phe
 20 25 30

Asn Phe Tyr Asp Trp Phe Val
 35

<210> 172

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 172

Phe	Arg	Gly	Arg	Leu	Val	Leu	Gly	His	Phe	Ser	Asp	Gly	Ala	Gly	Lys
1				5					10					15	

Val	Gly	Ser	Glu	Pro	Ala	Ala	Arg	Ile	Gly	Gln	Lys	Val	Phe	Asp	Val
			20					25					30		

Asn	Phe	Tyr	Asp	Trp	Phe	Val
			35			

<210> 173

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 173

Tyr	Arg	Gly	Met	Leu	Val	Leu	Gly	Arg	Ile	Ser	Asp	Gly	Ala	Gly	Lys
1				5					10					15	

Val	Ala	Ser	Glu	Pro	Pro	Ala	Arg	Ile	Gly	Gln	Glu	Val	Phe	Ala	Asp
			20					25					30		

Asn	Phe	Tyr	Asp	Trp	Phe	Val
			35			

<210> 174

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 174

Tyr	Arg	Gly	Met	Leu	Val	Leu	Gly	Arg	Ile	Ser	Asp	Gly	Ala	Gly	Glu
1				5					10					15	

Val	Ala	Ser	Glu	Pro	Pro	Ala	Arg	Ile	Gly	Gln	Glu	Val	Phe	Ala	Leu
			20					25					30		

Asn	Phe	Tyr	Asp	Trp	Phe	Val
			35			

<210> 175

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 175

Val	Pro	Trp	Tyr	Ala	Gly	Ser	Gly	Ser	Ser	Ser	Asp	Gly	Ala	Gly	Lys
1				5				10						15	

Val	Ala	Ser	Glu	Pro	Pro	Ala	Arg	Ile	Asp	Gln	Lys	Val	Phe	Ala	Val
			20					25					30		

Asn	Phe	Tyr	Asp	Trp	Phe	Val
			35			

<210> 176

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 176

Tyr	Arg	Gly	Gln	Leu	Val	Leu	Gly	Arg	Ile	Ser	Tyr	Gly	Ala	Gly	Lys
1				5					10					15	

Val	Gly	Cys	Asp	Pro	Pro	Ala	Arg	Ile	Gly	Gln	Lys	Asp	Trp	Ala	Val
			20					25					30		

Asn	Phe	Tyr	Asp	Trp	Phe	Val
			35			

<210> 177

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 177

Gln	Arg	Gly	Leu	Leu	Val	Leu	Gly	Arg	Phe	Ser	Asp	Gly	Ala	Gly	Asn
1				5					10					15	

Val	Ala	Ser	Glu	Pro	Pro	Ala	Gly	Ile	Gly	Gln	Glu	Val	Phe	Pro	Val
			20					25					30		

Asn	Phe	Tyr	Asp	Trp	Phe	Val
			35			

<210> 178
 <211> 39
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 178
 Gln Arg Gly Met Leu Val Leu Gly Arg Ile Ser Asp Gly Ala Gly Lys
 1 5 10 15
 Val Ala Ala Glu Pro Pro Asp Cys Leu Gly Gln Lys Val Cys Ala Val
 20 25 30
 Asn Phe Tyr Asp Trp Phe Val
 35

<210> 179
 <211> 39
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 179
 Gln Arg Gly Met Arg Val Leu Gly Arg Ile Ser Asp Gly Ala Gly Lys
 1 5 10 15
 Val Ala Ser Glu Leu Pro Pro Arg Ile Gly Gln Lys Asp Phe Ala Val
 20 25 30
 Asn Phe Tyr Asp Trp Phe Val
 35

<210> 180
 <211> 39
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 180
 Gln Arg Gly Met Leu Val Leu Gly Ser Ile Ser Asp Gly Ala Gly Lys
 1 5 10 15
 Val Ala Tyr Glu Ala Pro Ala Arg Ile Gly Gln Thr Val Phe Ala Val
 20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 181

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 181

Gln Pro Trp Cys Ala Gly Ser Gly Arg Ile Tyr Asp Gly Ala Cys Lys
1 5 10 15

Val Ala Ser Glu Pro Pro Ala His Ile Gly Gln Glu Val Phe Ala Val
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 182

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 182

Gln Arg Gly Met Leu Val Leu Asp Arg Ile Ser Asp Gly Ala Gly Lys
1 5 10 15

Val Ala Ser Gly Pro Pro Ala Arg Ile Gly Gln Asn Val Leu Ala Val
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 183

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 183

Tyr Arg Gly Met Leu Val Val Gly Arg Ile Ser Asp Gly Thr Gly Lys
1 5 10 15

Val Ala Ser Gln Pro Pro Ala Arg Ile Gly Gln Lys Val Phe Ala Val
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 184

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 184

Tyr Arg Gly Met Leu Val Leu Gly Arg Ile Ser Asp Gly Ala Gly Lys
1 5 10 15

Val Ala Ser Val Pro Pro Ala His Ile Gly Gln Lys Val Phe Ala Phe
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 185

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 185

Gln His Gly Met Leu Val Leu Gly Arg Val Ser Val Gly Ala Gly Lys
1 5 10 15

Val Pro Ser Glu Pro Gln Ala Arg Ile Gly His Lys Val Phe Asp Val
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 186

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 186

Tyr Ser Gly Tyr Ala Gly Ser Gly Ser Phe Ser Asp Gly Ala Gly Lys
 1 5 10 15

Val Ala Ser Glu Pro Pro Ala Arg Ile Ser Gln Glu Val Leu Ala Asp
 20 25 30

Asn Phe Tyr Asp Trp Phe Val
 35

<210> 187

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 187

Tyr Arg Gly Met Leu Val Leu Gly Arg Ile Ser Asp Gly Ala Gly Lys
 1 5 10 15

Val Ala Ser Glu Pro Pro Ala Arg Ile Gly Gln Lys Val Ser Ala Val
 20 25 30

Asn Phe Tyr Asp Trp Phe Val
 35

<210> 188

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 188

Tyr His Gly Lys Leu Asp Leu Gly Arg Ile Ser Val Gly Val Gly Lys
 1 5 10 15

Val Ala Ser Glu Pro Pro Ala Arg Ile Gly Gln Lys Val Phe Ala Asp
 20 25 30

Asn Phe Tyr Asp Trp Phe Val
 35

<210> 189

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<400> 189

Tyr Arg Gly Gln Ala Gly Ser Gly Val Gly Ser Leu Thr Val Ala Gly
 1 5 10 15

Lys Val Ala Ser Asp Pro Pro Ala Arg Ile Gly Gln Lys Val Phe Ala
 20 25 30

Asp Asn Phe Tyr Asp Trp Phe Val
 35 40

<210> 190

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 190

His Arg Gly Met Leu Val Leu Gly Arg Ile Ser Glu Gly Ala Gly Asn
 1 5 10 15

Val Asp Pro Glu Pro Pro Ala Arg Ile Gly Gln Asn Val Phe Ala Gly
 20 25 30

Asn Phe Tyr Asp Trp Phe Val
 35

<210> 191

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 191

Gln Arg Gly Met Pro Val Leu Gly Arg Ile Ser Asp Gly Ala Gly Lys
 1 5 10 15

Val Gly Ser Glu Pro Pro Ala Arg Ile Ala Arg Lys Val Phe Pro Val
 20 25 30

Asn Phe Tyr Asp Trp Phe Ile
 35

<210> 192

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 192

Gln Gly Gly Leu Leu Val Thr Gly Arg Ile Ser Asp Gly Ala Gly Lys
 1 5 10 15

Val Ala Ser Glu Pro Pro Gly Gly Ile Gly Gln Lys Val Phe Ala Gly
 20 25 30

Asn Phe Tyr Asp Trp Phe Val
 35

<210> 193

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 193

Tyr Pro Trp Tyr Gly Gly Ser Gly Thr Tyr Leu Asp Gly Ala Gly Lys
 1 5 10 15

Val Ala Ser Glu Pro Pro Ala Arg Ile Asp Gln Gln Val Phe Ala Gly
 20 25 30

Asn Phe Tyr Asp Trp Phe Val
 35

<210> 194

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 194

Tyr Arg Ala Met Leu Val Leu Arg Arg Ile Ser Asp Val Ala Gly Ile
 1 5 10 15

Val Asp Ser Glu Pro Pro Thr Arg Ile Gly Gln Lys Val Phe Ala Gly
 20 25 30

Asn Phe Tyr Asp Trp Phe Val
 35

<210> 195

<211> 39
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 195
 Tyr Arg Gly Met Leu Val Leu Gly Arg Ile Ser Gln Gly Ala Gly Asn
 1 5 10 15
 Val Ala Ser Glu Pro Ser Ser Arg Ile Gly Gln Lys Val Phe Ala Gly
 20 25 30
 Asn Phe Tyr Asp Trp Phe Ile
 35

<210> 196
 <211> 39
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 196
 Tyr Arg Gly Met Leu Val Leu Gly Arg Ile Ser Asp Gly Ala Gly Lys
 1 5 10 15
 Val Asp Tyr Glu Pro Pro Ala Arg Ile Gly Gln Lys Val Phe Ala Gly
 20 25 30
 Asn Phe Tyr Asp Trp Phe Val
 35

<210> 197
 <211> 39
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 197
 Tyr Arg Gly Met Leu Gly Leu Gly Gly Ile Ser Ala Gly Ala Gly Ile
 1 5 10 15
 Val Ala Ser Glu Pro Pro Ala Arg Val Gly Gln Lys Val Phe Ala Gly
 20 25 30
 Asn Phe Tyr Asp Trp Phe Val
 35

<210> 198
 <211> 39
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 198
 Tyr Arg Gly Ile Leu Phe Gln Gly Arg Ile Pro Asp Gly Ala Gly Lys
 1 5 10 15
 Val Ala Ser Glu Pro Pro Thr Arg Ile Gly Glu Arg Val Phe Ala Val
 20 25 30
 Asn Phe Tyr Asp Trp Phe Val
 35

<210> 199
 <211> 39
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 199
 Gln Gly Gly Met Pro Val Leu Gly Arg Ile Ser Asp Gly Ala Gly Lys
 1 5 10 15
 Val Ala Phe Glu Pro Pro Ala Arg Ile Gly Gln Lys Val Phe Ala Gly
 20 25 30
 Asn Phe Tyr Asp Trp Phe Val
 35

<210> 200
 <211> 39
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 200
 Tyr Arg Gly Met Leu Val Leu Gly Arg Ile Gln Asp Gly Ala Gly Lys
 1 5 10 15
 Val Ala Ser Glu Pro Pro Ala Arg Ile Gly Gln Lys Val Phe Thr Gly
 20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 201

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 201

Gln Arg Gly Met Leu Val Leu Gly Gly Val Ser Asp Gly Ala Gly Lys
1 5 10 15

Val Ala Ser Asp Pro Pro Ala Ser Ile Gly Gln Asn Val Phe Ala Val
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 202

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 202

Tyr Pro Gly Met Leu Ile Leu Asp Arg Ile Ser Asp Gly Ala Ser Lys
1 5 10 15

Val Val Ser Glu Pro Pro Ala Ser Ile Gly Gln Lys Val Phe Ala Val
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 203

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 203

Tyr Arg Gly Met Leu Val Leu Asp Arg Ile Ser Asp Gly Ala Gly Lys
1 5 10 15

Val Ala Ser Glu Gln Pro Ala Arg Ile Gly Gln Glu Val Tyr Ala Val
 20 25 30

Asn Phe Tyr Asp Trp Phe Val
 35

<210> 204

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 204

Tyr Arg Gly Met Leu Asp Leu Gly Arg Ile Ser Gly Gly Val Gly Lys
 1 5 10 15

Val Ala Ser Glu Ser Pro Ala Arg Ile Gly Gln Lys Val Tyr Ala Val
 20 25 30

Asn Phe Tyr Asp Trp Phe Val
 35

<210> 205

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 205

Gln Arg Gly Met Met Val Leu Gly Arg Ile Ser Asp Gly Ala Gly Glu
 1 5 10 15

Val Ala Ser Glu Lys Val Phe Ala Val Asn Phe Tyr Asp Trp Phe Val
 20 25 30

<210> 206

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 206

Gln Arg Gly Met Leu Val Leu Gly Arg Val Ser Asp Gly Ala Gly Lys
 1 5 10 15

Val Asp Ser Ala Pro Pro Ala Arg Ile Gly Gln Lys Val Phe Ala Gly
 20 25 30

Asn Phe Tyr Asp Trp Phe Val
 35

<210> 207

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 207

Gln Arg Gly Met Leu Val Leu Gly Arg Met Ser Asp Gly Ala Gly Lys
 1 5 10 15

Val Ala Phe Glu Pro Pro Ala Arg Ile Gly Gln Arg Gly Phe Ala Gly
 20 25 30

Asn Phe Tyr Asp Trp Phe Val
 35

<210> 208

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 208

Gln Arg Gly Thr Leu Val Leu Gly Arg Ile Ser Asp Gly Ala Gly Lys
 1 5 10 15

Ala Ala Ser Glu Pro Pro Ala Arg Ile Gly Gln Asn Val Phe Ala Val
 20 25 30

Asn Phe Tyr Asp Trp Phe Val
 35

<210> 209

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 209

Gln Arg Gly Met Leu Val Leu Asp Arg Ile Ser Asp Gly Ala Gly Lys
1 5 10 15

Val Ala Ala Glu Pro Pro Ala Arg Ile Gly Gln Lys Val Phe Ala Leu
20 25 30

Asn Phe Tyr Asp Trp Phe Ile
35

<210> 210

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 210

Gln Arg Gly Met Leu Val Leu Gly Arg Ile Ser Asp Gly Ala Gly Glu
1 5 10 15

Val Ala Ser Glu Pro Pro Ala Arg Ile Gly Glu Lys Val Tyr Ala Val
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 211

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 211

Gln Arg Gly Ile Leu Val Arg Gly Arg Ile Ser Asp Gly Ala Gly Lys
1 5 10 15

Val Gly Ser Glu Pro Pro Ala Arg Ser Gly Glu Lys Val Phe Ala Val
20 25 30

Asn Phe Tyr Asp Trp Phe Ile
35

<210> 212

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 212

Gln Leu Gly Met Val Val Leu Gly Arg Ile Ser Asp Gly Ser Gly Lys
1 5 10 15

Ala Ala Ser Glu Pro Ala Ala Arg Ile Ser Gln Lys Val Phe Ala Val
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 213

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 213

Gln Arg Gly Met Leu Val Leu Gly Arg Ile Ser Asp Gly Asp Gly Lys
1 5 10 15

Val Ala Ser Glu Pro Pro Ala Arg Ile Gly Gln Arg Val Phe Ala Val
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 214

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 214

Tyr Arg Gly Met Leu Val Leu Gly Arg Ser Ser Asp Gly Ala Gly Lys
1 5 10 15

Val Ala Phe Glu Arg Pro Ala Arg Ile Gly Gln Thr Val Phe Ala Val
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 215
 <211> 39
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<220>
 <223> Xaa represents a variable or unknown amino acid

<400> 215
 Tyr Arg Gly Met Leu Val Leu Gly Arg Ile Ser Asp Gly Ala Gly Xaa
 1 5 10 15
 Val Ala Ser Glu Pro Pro Ala Arg Ile Gly Arg Lys Val Phe Ala Val
 20 25 30
 Asn Phe Tyr Asp Trp Phe Val
 35

<210> 216
 <211> 39
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 216
 Tyr Arg Gly Met Leu Val Leu Gly Arg Ile Ser Gly Gly Ala Gly Lys
 1 5 10 15
 Ala Ala Ser Glu Arg Pro Ala Arg Ile Gly Gln Lys Val Ser Ala Val
 20 25 30
 Asn Phe Tyr Asp Trp Phe Val
 35

<210> 217
 <211> 39
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 217
 Tyr Arg Gly Met Met Val Gln Gly Arg Ile Ser Asp Gly Ala Gly Lys
 1 5 10 15

Val Ala Ser Val Ser Pro Val Arg Ile Gly Gln Lys Val Ile Ala Val
 20 25 30

Asn Phe Tyr Asp Trp Phe Val
 35

<210> 218

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 218

Tyr Arg Gly Arg Leu Gly Leu Gly Arg Ile Ser Asp Val Ala Gly Lys
 1 5 10 15

Val Ala Cys Asp Pro Ser Ala Arg Ile Gly Gln Lys Val Leu Pro Val
 20 25 30

Asn Phe Tyr Asp Trp Phe Val
 35

<210> 219

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 219

Tyr Arg Gly Met Leu Val Leu Gly Arg Ile Ser Asp Gly Ala Gly Arg
 1 5 10 15

Val Ala Ser Glu Pro Gln Ala Arg Ile Gly Gln Lys Val Phe Ala Val
 20 25 30

Asn Phe Tyr Asp Trp Phe Val
 35

<210> 220

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 220

Gln Gly Gly Met Leu Val Pro Gly Arg Ile Ser Asp Gly Ala Gly Lys
 1 5 10 15

Val Ala Ser Gln Pro Pro Ala Arg Ile Gly Pro Lys Gly Phe Ala Gly
 20 25 30

Asn Phe Tyr Asp Trp Phe Val
 35

<210> 221

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 221

Tyr Arg Gly Met Arg Val Leu Gly Arg Ile Ser Asp Gly Ala Gly Lys
 1 5 10 15

Val Ala Ser Glu Pro Pro Thr His Ile Gly Gln Lys Val Phe Pro Val
 20 25 30

Asn Phe Tyr Asp Trp Phe Val
 35

<210> 222

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 222

Tyr Arg Gly Met Leu Val Leu Gly Arg Ile Ser Asp Gly Ala Gly Lys
 1 5 10 15

Val Gly Ser Glu Pro Ala Ala Arg Ile Gly Gln Lys Val Phe Ala Leu
 20 25 30

Asn Phe Tyr Asp Trp Phe Val
 35

<210> 223

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<400> 223

Tyr Arg Gly Gln Gly Met Val Leu Gly Arg Ile Ser Asp Gly Ala Gly
 1 5 10 15

Lys Val Ala Ser Glu Pro Pro Gly Arg Ile Gly Gln Lys Val Phe Pro
 20 25 30

Val Asn Phe Tyr Asp Trp Phe Val
 35 40

<210> 224

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 224

Tyr Arg Gly Met Leu Gly Leu Gly Arg Ile Thr Gly Gly Ala Gly Lys
 1 5 10 15

Val Ala Ser Glu Pro Pro Asp Arg Ile Gly Gln His Val Phe Val Asp
 20 25 30

Asn Phe Tyr Asp Trp Phe Val
 35

<210> 225

<211> 38

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 225

Asp Gly Met Leu Val Leu Gly Arg Ile Ser Asp Gly Ala Gly Asn Val
 1 5 10 15

Ala Ser Glu Ala Pro Ala Arg Ile Gly Gln Lys Val Phe Ala Val Asn
 20 25 30

Phe Tyr Asp Trp Phe Val
 35

<210> 226

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 226

Tyr Arg Gly Met Arg Val Arg Gly Arg Ile Ser Asp Gly Ala Gly Lys
 1 5 10 15

Ala Ala Ser Asp Pro Arg Ala Arg Ile Gly Gln Thr Val Leu Asp Val
 20 25 30

Asn Phe Tyr Asp Trp Phe Val
 35

<210> 227

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 227

Tyr Arg Gly Met Trp Val Leu Gly Arg Ile Ser Tyr Gly Ala Gly Lys
 1 5 10 15

Val Ala Tyr Glu Pro Pro Ala Arg Met Gly Gln Lys Gly Phe Ala Val
 20 25 30

Asn Phe Tyr Asp Trp Phe Val
 35

<210> 228

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 228

Tyr Arg Gly Met Leu Val Gly Gly Arg Ile Ala Gly Gly Ala Gly Ile
 1 5 10 15

Val Ala Ser Glu Pro Pro Ala Arg Ile Gly Gln Lys Val Phe Ala Val
 20 25 30

Asn Phe Tyr Asp Trp Phe Val
 35

<210> 229

<211> 39
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 229
 Tyr Arg Gly Leu Leu Gly Leu Gly Gly Ile Ser Asp Gly Ala Gly Lys
 1 5 10 15
 Val Ala Ser Glu Pro Pro Ala Arg Asn Gly Gln Lys Val Phe Ala Val
 20 25 30
 Asn Phe Tyr Asp Trp Phe Val
 35

<210> 230
 <211> 39
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 230
 Tyr Arg Gly Met Leu Gly Leu Gly Arg Ile Ser Ala Gly Ala Gly Lys
 1 5 10 15
 Val Ala Ser Gly Ala Pro Ala Arg Ile Gly Gln Glu Asp Phe Ala Val
 20 25 30
 Asn Phe Tyr Asp Trp Phe Val
 35

<210> 231
 <211> 39
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 231
 Tyr Arg Gly Met Leu Ala Leu Gly Arg Ile Ser Glu Gly Ala Gly Lys
 1 5 10 15
 Val Ala Ser Glu Pro Pro Ala Arg Ile Gly Gln Asn Val Phe Ala Val
 20 25 30
 Asn Phe Tyr Asp Trp Phe Val
 35

<210> 232
 <211> 39
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 232
 Tyr Arg Gly Met Leu Val Leu Gly Arg Ile Ser Asp Gly Ala Gly Lys
 1 5 10 15
 Val Ala Ser Glu Pro Pro Ala Arg Ile Gly Gln Lys Val Leu Ala Val
 20 25 30
 Asn Phe Tyr Asp Trp Phe Val
 35

<210> 233
 <211> 39
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 233
 Tyr Pro Gly Met Leu Val Pro Gly Arg Ile Ser Asp Gly Ala Gly Glu
 1 5 10 15
 Gly Ala Thr Asp Pro Pro Pro Arg Ile Gly Gln Lys Val Phe Ala Phe
 20 25 30
 Asn Phe Tyr Asp Trp Phe Val
 35

<210> 234
 <211> 39
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 234
 Tyr Arg Gly Met Leu Val Pro Gly Arg Ile Ser Asp Gly Ala Gly Lys
 1 5 10 15
 Val Ala Tyr Glu Pro Pro Ala Arg Ile Gly Gln Lys Ile Phe Ala Val
 20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 235

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 235

Tyr Arg Gly Val Leu Val Leu Gly Arg Val Ser Asp Gly Val Gly Lys
1 5 10 15

Val Ala Ser Glu Pro Pro Ala His Arg Gly Gln Arg Val Phe Gly Val
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 236

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 236

Tyr Arg Arg Met Leu Val Leu Gly Arg Ile Ser Asp Gly Ala Ala Asn
1 5 10 15

Val Ala Ser Gly Pro Pro Asp Arg Ile Gly Gln Lys Val Phe Ala Gly
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 237

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 237

Tyr Arg Arg Met Leu Ala Leu Gly Arg Phe Ser Asp Val Thr Gly Asp
1 5 10 15

Val Ala Ser Glu Pro Pro Ala His Ile Gly Gln Lys Val Val Ala Val
 20 25 30

Asn Phe Tyr Asp Trp Phe Val
 35

<210> 238

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 238

Tyr Arg Gly Met Val Val Arg Gly Arg Ile Phe Asp Gly Pro Gly Lys
 1 5 10 15

Val Ala Ser Glu Pro Arg Ala Arg Ile Gly Gln Lys Val Phe Ala Val
 20 25 30

Asn Phe Tyr Asp Trp Phe Val
 35

<210> 239

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 239

Tyr Arg Gly Met Leu Ile Leu Gly Arg Ile Ser Asp Gly Ala Gly Lys
 1 5 10 15

Val Ala Ser Glu Pro Pro Ala Arg Val Gly Gln Asp Val Val Ala Val
 20 25 30

Asn Phe Tyr Asp Trp Phe Val
 35

<210> 240

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 240

Tyr Pro Gly Arg Leu Val Gly Gly Arg Ile Ser Asp Gly Val Gly Lys
 1 5 10 15

Val Ala Ser Glu Pro Pro Gly Arg Ile Gly Gln Lys Val Phe Ala Val
 20 25 30

Asn Phe Tyr Asp Trp Phe Val
 35

<210> 241

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 241

Gln Arg Gly Leu Leu Val Leu Gly Arg Ile Phe Asp Gly Ala Gly Lys
 1 5 10 15

Val Ala Ser Asp Pro Pro Ala Arg Ile Gly Gln Lys Asp Phe Ala Asp
 20 25 30

Asn Phe Tyr Asp Trp Phe Val
 35

<210> 242

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 242

Tyr Arg Gly Met Leu Val Leu Gly Arg Ile Ser Asp Gly Ala Gly Lys
 1 5 10 15

Val Ala Phe Glu Pro Pro Ala Arg Ile Gly Gln Asn Val Phe Ala Val
 20 25 30

Asn Phe Tyr Asp Trp Phe Val
 35

<210> 243

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 243

Tyr Arg Cys Met Pro Val Leu Gly Arg Ile Ser Asp Gly Ala Gly Xaa
1 5 10 15

Val Ala Ser Asp Arg Pro Ala Arg Ile Gly Gln Lys Val Phe Ala Val
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 244

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 244

Tyr Arg Gly Arg Leu Val Leu Gly Arg Ile Ser Asp Gly Ala Gly Lys
1 5 10 15

Val Ala Ala Glu Pro Pro Ala Ser Met Asp Ser Lys Val Phe Ala Gly
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 245

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 245

Gly Phe Arg Glu Gly Asn Phe Tyr Asp Trp Phe Val Ala Gln Val Thr
1 5 10 15

<210> 246

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 246

Gly Phe Arg Glu Gly Gln Arg Trp Tyr Trp Phe Val Ala Gln Val Thr
1 5 10 15

<210> 247

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 247

Gly Phe Arg Glu Gly Tyr Phe Tyr Asp Trp Phe Leu Ala Gln Val Thr
1 5 10 15

<210> 248

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 248

Gly Phe Arg Glu Gly Asp Phe Tyr Glu Trp Phe Val Ala Gln Val Thr
1 5 10 15

<210> 249

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 249

Gly Phe Arg Glu Gly Gln Phe Tyr Glu Trp Phe Ala Ala Gln Val Thr
1 5 10 15

<210> 250

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<400> 250

Gly	Phe	Arg	Glu	Gly	Thr	Phe	Tyr	Asp	Trp	Phe	Val	Ala	Gln	Val	Thr
1				5					10					15	

<210> 251

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 251

Gly	Phe	Arg	Glu	Gly	Asn	Phe	Tyr	Asp	Trp	Phe	Glu	Ala	Gln	Val	Thr
1				5					10					15	

<210> 252

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 252

Gly	Phe	Arg	Glu	Gly	Ala	Phe	Tyr	Asp	Trp	Phe	Glu	Ala	Gln	Val	Thr
1				5					10					15	

<210> 253

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 253

Gly	Phe	Arg	Glu	Gly	Ala	Phe	Tyr	Asp	Trp	Phe	Val	Ala	Gln	Val	Thr
1				5					10					15	

<210> 254

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 254

Gly	Phe	Arg	Glu	Gly	Lys	Phe	Tyr	Gln	Trp	Phe	Glu	Ala	Gln	Val	Thr
1				5					10					15	

<210> 255

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 255

Gly	Phe	Arg	Glu	Gly	Asp	Phe	Tyr	Asp	Trp	Phe	Gln	Ala	Gln	Val	Thr
1				5					10					15	

<210> 256

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 256

Gly	Phe	Arg	Glu	Gly	Thr	Phe	Tyr	Glu	Trp	Phe	Val	Ala	Gln	Val	Thr
1				5					10					15	

<210> 257

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 257

Gly	Phe	Arg	Glu	Gly	Asn	Phe	Tyr	Asp	Trp	Phe	Val	Ala	Gln	Val	Thr
1				5					10					15	

<210> 258

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 258

Gly	Phe	Arg	Glu	Gly	Gln	Phe	Tyr	Glu	Trp	Phe	Leu	Ala	Gln	Val	Thr
1				5					10					15	

<210> 259

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 259

Gly	Phe	Arg	Glu	Gly	Gln	Phe	Tyr	Asp	Trp	Phe	Leu	Ala	Gln	Val	Thr
1				5					10					15	

<210> 260

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 260

Gly	Phe	Arg	Glu	Gly	Glu	Phe	Tyr	Asp	Trp	Phe	Gln	Ala	Gln	Val	Thr
1				5					10					15	

<210> 261

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 261

Gly	Phe	Arg	Glu	Gly	Gln	Phe	Tyr	Asp	Trp	Phe	Arg	Ala	Gln	Val	Thr
1				5					10					15	

<210> 262

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 262

Gly Phe Arg Glu Gly Tyr Phe Tyr Glu Trp Phe Gln Ala Gln Val Thr
 1 5 10 15

<210> 263

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 263

Gly Phe Arg Glu Gly Asp Phe Tyr Gln Trp Phe Glu Ala Gln Val Thr
 1 5 10 15

<210> 264

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 264

Gly Phe Arg Glu Gly Ser Phe Tyr Gly Trp Phe Gln Ala Gln Val Thr
 1 5 10 15

<210> 265

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 265

Gly Phe Arg Glu Gly Ser Phe Tyr Ala Trp Phe Gln Ala Gln Val Thr
 1 5 10 15

<210> 266

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 266

Gly Phe Arg Glu Gly Gln Phe Tyr Asp Trp Phe Val Ala Gln Val Thr
 1 5 10 15

<210> 267
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 267
Gly Phe Arg Glu Gly Ile Phe Tyr Glu Trp Phe Val Ala Gln Val Thr
1 5 10 15

<210> 268
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 268
Gly Phe Arg Glu Gly Ser Phe Tyr Glu Trp Phe Gln Ala Gln Val Thr
1 5 10 15

<210> 269
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 269
Gly Phe Arg Glu Gly Asn Phe Tyr Asp Trp Phe Ala Ala Gln Val Thr
1 5 10 15

<210> 270
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 270
Gly Phe Arg Glu Gly Ser Phe Tyr Asp Trp Phe Val Ala Gln Val Thr
1 5 10 15

<210> 271
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 271
 Gly Phe Arg Glu Gly Asp Phe Tyr Asp Trp Phe Val Ala Gln Val Thr
 1 5 10 15

<210> 272
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 272
 Gly Phe Arg Glu Gly Asp Phe Tyr Gln Trp Phe Val Ala Gln Val Thr
 1 5 10 15

<210> 273
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 273
 Gly Phe Arg Glu Gly Gly Phe Tyr Asp Trp Phe Val Ala Gln Val Thr
 1 5 10 15

<210> 274
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 274
 Gly Phe Arg Glu Gly Asp Phe Tyr Gly Trp Phe Gln Ala Gln Val Thr
 1 5 10 15

<210> 275
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 275
 Gly Phe Arg Glu Gly Val Phe Tyr Asp Trp Phe Val Ala Gln Val Thr
 1 5 10 15

<210> 276
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 276
 Gly Phe Arg Glu Gly Gly Phe Tyr Glu Trp Phe Gln Ala Gln Val Thr
 1 5 10 15

<210> 277
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 277
 Gly Phe Arg Glu Gly Ser Phe Tyr Asp Trp Phe Gln Ala Gln Val Thr
 1 5 10 15

<210> 278
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 278
 Gly Phe Arg Glu Gly Asn Phe Tyr Glu Trp Phe Gln Ala Gln Val Thr
 1 5 10 15

<210> 279

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 279

Gly	Phe	Arg	Glu	Gly	Lys	Phe	Tyr	Asp	Trp	Phe	Leu	Ala	Gln	Val	Thr
1				5					10					15	

<210> 280

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 280

Gly	Phe	Arg	Glu	Gly	Glu	Phe	Tyr	Glu	Trp	Phe	Val	Ala	Gln	Val	Thr
1				5					10					15	

<210> 281

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 281

Gly	Phe	Arg	Glu	Gly	Arg	Phe	Tyr	Asp	Trp	Phe	Val	Ala	Gln	Val	Thr
1				5					10					15	

<210> 282

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 282

Gly	Phe	Arg	Glu	Gly	Thr	Phe	Tyr	Asp	Trp	Phe	Val	Ala	Gln	Val	Thr
1				5					10					15	

<210> 283

<211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 283
 Gly Phe Arg Glu Gly Glu Phe Tyr Glu Trp Phe Ala Ala Gln Val Thr
 1 5 10 15

<210> 284
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 284
 Gly Phe Arg Glu Gly Asp Phe Tyr Glu Trp Phe Glu Ala Gln Val Thr
 1 5 10 15

<210> 285
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<220>
 <223> Xaa represents a variable or unknown amino acid

<400> 285
 Gly Phe Arg Glu Gly His Phe Tyr Asp Trp Phe Xaa Ala Gln Val Thr
 1 5 10 15

<210> 286
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 286
 Gly Phe Arg Glu Gly Glu Phe Tyr Asp Trp Phe Val Ala Gln Val Thr
 1 5 10 15

<210> 287
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 287
 Gly Phe Arg Glu Gly Ser Phe Tyr Asp Trp Phe Val Ala Gln Val Thr
 1 5 10 15

<210> 288
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 288
 Gly Phe Arg Glu Gly Ser Phe Tyr Asp Trp Phe Gly Ala Gln Val Thr
 1 5 10 15

<210> 289
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 289
 Gly Phe Arg Glu Gly Thr Phe Tyr Asp Trp Phe Gln Ala Gln Val Thr
 1 5 10 15

<210> 290
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 290
 Gly Phe Arg Glu Gly Asn Phe Tyr Glu Trp Phe Thr Ala Gln Val Thr
 1 5 10 15

<210> 291
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 291
Gly Phe Arg Glu Gly Ser Phe Tyr Asn Trp Phe Gln Ala Gln Val Thr
1 5 10 15

<210> 292
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 292
Gly Phe Arg Glu Gly Asn Phe Tyr Asp Trp Phe Val Ala Gln Val Thr
1 5 10 15

<210> 293
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 293
Gly Phe Arg Glu Gly Asp Phe Tyr Asp Trp Phe Val Ala Gln Val Thr
1 5 10 15

<210> 294
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 294
Gly Phe Arg Glu Gly Ala Phe Tyr Asp Trp Phe Ala Ala Gln Val Thr
1 5 10 15

<210> 295

<211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 295
 Gly Phe Arg Glu Gly Ser Phe Tyr Asp Trp Phe Glu Ala Gln Val Thr
 1 5 10 15

<210> 296
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 296
 Gly Phe Arg Glu Gly Ser Phe Tyr Asp Trp Phe Ala Ala Gln Val Thr
 1 5 10 15

<210> 297
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 297
 Gly Phe Arg Glu Gly Ser Phe Tyr Glu Trp Phe Asp Ala Gln Val Thr
 1 5 10 15

<210> 298
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 298
 Gly Phe Arg Glu Gly Ala Phe Tyr Asp Trp Phe Glu Ala Gln Val Thr
 1 5 10 15

<210> 299
 <211> 16

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 299
Gly Phe Arg Glu Gly Gln Phe Tyr Asp Trp Phe Ala Ala Gln Val Thr
1 5 10 15

<210> 300
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 300
Gly Phe Arg Glu Gly Asn Phe Tyr Asp Trp Phe Ala Ala Gln Val Thr
1 5 10 15

<210> 301
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 301
Gly Phe Arg Glu Gly Asp Phe Tyr Asp Trp Phe Ala Ala Gln Val Thr
1 5 10 15

<210> 302
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 302
Gly Phe Arg Glu Gly Ser Phe Tyr Glu Trp Phe Glu Ala Gln Val Thr
1 5 10 15

<210> 303
<211> 16
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 303

Gly	Phe	Arg	Glu	Gly	Gly	Phe	Tyr	Asp	Trp	Phe	Leu	Ala	Gln	Val	Thr
1				5					10					15	

<210> 304

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 304

Gly	Phe	Arg	Glu	Gly	Gly	Phe	Tyr	Ala	Trp	Phe	Ala	Ala	Gln	Val	Thr
1				5					10					15	

<210> 305

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 305

Gly	Phe	Arg	Glu	Gly	Gly	Phe	Tyr	Glu	Trp	Phe	Xaa	Ala	Gln	Val	Thr
1				5					10					15	

<210> 306

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 306

Gly	Phe	Arg	Glu	Gly	Asp	Phe	Tyr	Asp	Trp	Phe	Arg	Ala	Gln	Val	Thr
1				5					10					15	

<210> 307

<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 307
Gly Phe Arg Glu Gly Ser Phe Tyr Asp Trp Phe Val Ala Gln Val Thr
1 5 10 15

<210> 308
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 308
Gly Phe Arg Glu Gly Asp Phe Tyr Gly Trp Phe Gln Ala Gln Val Thr
1 5 10 15

<210> 309
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 309
Gly Phe Arg Glu Gly Gly Phe Tyr Asp Trp Phe Gln Ala Gln Val Thr
1 5 10 15

<210> 310
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 310
Gly Phe Arg Glu Gly Asp Phe Tyr Asp Trp Phe Val Ala Gln Val Thr
1 5 10 15

<210> 311
<211> 16

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 311
Gly Phe Arg Glu Gly Asp Phe Tyr Asp Trp Phe Gln Ala Gln Val Thr
1 5 10 15

<210> 312
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 312
Gly Phe Arg Glu Gly Gly Phe Tyr Asp Trp Phe Val Ala Gln Val Thr
1 5 10 15

<210> 313
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 313
Gly Phe Arg Glu Gly Asp Phe Tyr Asp Trp Phe Ala Ala Gln Val Thr
1 5 10 15

<210> 314
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 314
Gly Phe Arg Glu Gly Asn Phe Tyr Asp Trp Phe Gln Ala Gln Val Thr
1 5 10 15

<210> 315
<211> 16
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 315

Gly	Phe	Arg	Glu	Gly	Asn	Phe	Tyr	Asp	Trp	Phe	Leu	Ala	Gln	Val	Thr
1				5				10					15		

<210> 316

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 316

Gly	Phe	Arg	Glu	Gly	His	Phe	Tyr	Asp	Trp	Phe	Gln	Ala	Gln	Val	Thr
1				5				10					15		

<210> 317

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 317

Gly	Phe	Arg	Glu	Gly	Gln	Phe	Tyr	Glu	Trp	Phe	Glu	Ala	Gln	Val	Thr
1				5				10					15		

<210> 318

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 318

Gly	Phe	Arg	Glu	Gly	Ser	Phe	Tyr	Glu	Trp	Phe	Gln	Ala	Gln	Val	Thr
1				5				10					15		

<210> 319

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 319

Gly Phe Arg Glu Gly Asp Phe Tyr Asp Trp Phe Leu Ala Gln Val Thr
 1 5 10 15

<210> 320

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 320

Gly Phe Arg Glu Gly His Phe Tyr Asp Trp Phe Val Ala Gln Val Thr
 1 5 10 15

<210> 321

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 321

Gly Phe Arg Glu Gly Gln Phe Tyr Glu Trp Phe Val Ala Gln Val Thr
 1 5 10 15

<210> 322

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 322

Gly Phe Arg Glu Gly Gln Phe Tyr Asp Trp Phe Ala Ala Gln Val Thr
 1 5 10 15

<210> 323

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 323

Gly	Phe	Arg	Glu	Gly	Gln	Phe	Tyr	Asp	Trp	Phe	Ala	Ala	Gln	Val	Thr
1				5				10					15		

<210> 324

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 324

Gly	Phe	Arg	Glu	Gly	Asp	Phe	Tyr	Gln	Trp	Phe	Ala	Ala	Gln	Val	Thr
1				5				10					15		

<210> 325

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 325

Gly	Phe	Arg	Glu	Gly	Asn	Phe	Tyr	Asp	Trp	Phe	Val	Ala	Gln	Val	Thr
1				5				10					15		

<210> 326

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 326

Gly	Phe	Arg	Asp	Gly	Ser	Phe	Tyr	Asp	Trp	Phe	Val	Ala	Gln	Val	Thr
1				5				10					15		

<210> 327

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 327

Gly	Phe	Arg	Glu	Gly	His	Phe	Tyr	Glu	Trp	Phe	Gln	Ala	Gln	Val	Thr
1				5				10						15	

<210> 328

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 328

Gly	Phe	Arg	Glu	Gly	Asp	Phe	Tyr	Asp	Trp	Phe	Ser	Ala	Gln	Val	Thr
1				5				10						15	

<210> 329

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 329

Gly	Phe	Arg	Glu	Gly	His	Phe	Tyr	Asp	Trp	Phe	Asp	Ala	Gln	Val	Thr
1				5				10						15	

<210> 330

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 330

Gly	Phe	Arg	Glu	Gly	Tyr	Phe	Tyr	Asp	Trp	Phe	Lys	Ala	Gln	Val	Thr
1				5				10						15	

<210> 331

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<400> 331

Gly	Phe	Arg	Glu	Gly	His	Phe	Tyr	Asp	Trp	Phe	Glu	Ala	Gln	Val	Thr
1				5					10					15	

<210> 332

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 332

Gly	Phe	Arg	Glu	Gly	Asp	Phe	Tyr	Asp	Trp	Phe	Glu	Ala	Gln	Val	Thr
1				5					10					15	

<210> 333

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 333

Gly	Phe	Arg	Glu	Gly	Thr	Phe	Tyr	Asp	Trp	Phe	Val	Ala	Gln	Val	Thr
1				5					10					15	

<210> 334

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 334

Gly	Phe	Arg	Glu	Gly	Asp	Tyr	Tyr	Gly	Trp	Phe	Glu	Ala	Gln	Val	Thr
1				5					10					15	

<210> 335

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 335

Gly Phe Arg Glu Gly Asp Phe Tyr Ala Trp Phe Met Ala Gln Val Thr
1 5 10 15

<210> 336

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 336

Gly Phe Arg Glu Gly Asn Phe Tyr Glu Trp Phe Leu Ala Gln Val Thr
1 5 10 15

<210> 337

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 337

Gly Phe Arg Glu Gly Ser Phe Tyr Asp Trp Phe Asp Ala Gln Val Thr
1 5 10 15

<210> 338

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 338

Gly Phe Arg Glu Gly Asn Phe Tyr Asp Gln Phe Val Ala Gln Val Thr
1 5 10 15

<210> 339

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 339

Gly Phe Arg Glu Gly His Phe Tyr Glu Trp Phe Ala Ala Gln Val Thr
 1 5 10 15

<210> 340

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 340

Gly Phe Arg Glu Gly Asn Phe Tyr Glu Trp Phe Val Ala Gln Val Thr
 1 5 10 15

<210> 341

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 341

Gly Phe Arg Glu Gly Lys Phe Tyr Asp Trp Phe Val Ala Gln Val Thr
 1 5 10 15

<210> 342

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 342

Gly Phe Arg Glu Gly Met Phe Asp Val Gln Leu Leu Ala Gln Val Thr
 1 5 10 15

<210> 343

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 343

Xaa	Xaa	Xaa	Xaa	Xaa	Phe	His	Glu	Asn	Phe	Tyr	Asp	Trp	Phe	Val
1				5				10					15	

Arg	Gln	Val	Ser	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
			20				25		

<210> 344

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 344

Val	Thr	Phe	Thr	Ser	Ala	Val	Phe	His	Glu	Asn	Phe	Tyr	Asp	Trp	Phe
1				5					10					15	

Val	Arg	Gln	Val	Ser
				20

<210> 345

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 345

Thr	Tyr	Lys	Ala	Arg	Phe	Leu	His	Glu	Asn	Phe	Tyr	Asp	Trp	Phe	Asn
1				5					10					15	

Arg	Gln	Val	Ser	Gln	Tyr	Phe	Gly	Arg	Val
			20				25		

<210> 346

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 346

Gln	Arg	Leu	Ser	Leu	His	Glu	Gln	Phe	Tyr	Asp	Trp	Phe	Val	Gly	Gln
1				5					10					15	

Val Ser Pro Leu Gly Ala Gly Gly
20

<210> 347
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 347
Gly Gly Gly Lys Val Asn Phe His Glu Asp Phe Tyr Gly Trp Phe Val
1 5 10 15

Gln Gln Phe Ser Gly Val Gly Ser Asp Arg
20 25

<210> 348
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 348
Leu Val Gly Asp Ala Pro Phe His Glu Asp Phe Tyr Asp Trp Phe Ala
1 5 10 15

Arg Gln Val Phe Gly Cys Cys Gln Glu Gln
20 25

<210> 349
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 349
Thr Gly Ala Glu Val Ser Phe His Glu Asn Phe Tyr Asp Trp Phe Asp
1 5 10 15

Arg Gln Tyr Ser Ser Trp Leu Asp Arg Asp
20 25

<210> 350
<211> 26

<212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 350

Gln Pro His Ser Ser Arg Leu His Glu Ser Phe Tyr Asp Trp Phe Asp
 1 5 10 15

Arg Gln Val Pro Trp Tyr Ala Leu Asp Arg
 20 25

<210> 351

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 351

Ser Arg Ala Leu Ala Ala Val His Glu Gln Phe Tyr Asp Trp Phe Val
 1 5 10 15

Arg Gln Val Ser Gly Leu Asp Trp Gly Tyr
 20 25

<210> 352

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 352

Gln Pro Lys Asp Gly Thr Leu His Glu Asn Phe Tyr Asp Trp Phe Val
 1 5 10 15

Arg Gln Val Ser Ser Ser Gly Trp Val Gly
 20 25

<210> 353

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 353

Arg Gly Arg Leu Ile Gln Leu His Glu Asp Phe Tyr Asp Trp Phe Leu
 1 5 10 15

Arg Gln Val Ser Gly Met Gly Gly Gly Ser
 20 25

<210> 354

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 354

Gln Arg Gly Ala Pro Lys Ser Asp Glu Asn Phe Tyr Asp Trp Phe Val
 1 5 10 15

Arg Gln Val Leu Arg Phe Gly Glu Asn Asp
 20 25

<210> 355

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 355

Ala Ala Arg Thr Ser Leu Phe His Glu Asp Phe Tyr Glu Trp Phe Asp
 1 5 10 15

Arg Gln Val Arg Gln Glu Gly Met Trp Gly
 20 25

<210> 356

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 356

Gly Thr Ser Asn His Ser Leu His Glu Asn Phe Tyr Asp Trp Phe Val
 1 5 10 15

Arg Gln Leu Ser Ser Val Gln Ser Ser Gly
 20 25

<210> 357
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 357

Val Ser His Val His Leu Phe His Glu Asn Phe Tyr Asp Trp Phe Val
 1 5 10 15

Arg Gln Leu Ala Ala Glu Gly Phe Ser Gly
 20 25

<210> 358

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 358

Gly Arg Gln Asp Ser Gly Leu His Glu His Phe Tyr Asp Trp Phe Ser
 1 5 10 15

Arg Gln Val Gln Gly Glu Val Ala Leu Gly
 20 25

<210> 359

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 359

Ser Asn Asp Glu Arg Gln Phe His Glu Thr Phe Tyr Asp Trp Phe Val
 1 5 10 15

Arg Gln Val Ser Ala Asp Gly Ala Asp Arg
 20 25

<210> 360

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 360

Leu Ser Thr Glu Gln Arg Phe His Glu Lys Phe Tyr Asp Trp Phe Val
1 5 10 15

His Gln Val Ser Thr Ser Gly Gly Gly Thr
20 25

<210> 361

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 361

Ser Leu Ser Arg Glu Gln Phe His Glu Asn Phe Tyr Asp Trp Phe Ala
1 5 10 15

Arg Gln Val Ser Glu Leu Glu Gly Val Val
20 25

<210> 362

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 362

Ile Pro Gly Arg Arg Ser Leu His Glu Asn Phe Tyr Asp Trp Phe Val
1 5 10 15

Arg Gln Val Ser Pro Gly Gly Gly Ser Ala
20 25

<210> 363

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 363

Thr Gln Lys Ala Gln Ser Leu Asp Glu Lys Phe Tyr Asp Trp Phe Val
 1 5 10 15

Arg Gln Val Ser Gly Gly Gly Leu Thr Gly
 20 25

<210> 364

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 364

Val Ser Gln Leu Ser Asp Phe His Glu Asn Phe Tyr Gly Trp Phe Ala
 1 5 10 15

Arg Gln Ile Ala Gly Gln Ala Glu Trp Thr
 20 25

<210> 365

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 365

Asn Gly Thr Ser Gln Ala Leu His Gln Asn Phe Tyr Asp Trp Phe Ala
 1 5 10 15

Gln Gln Ile Ser Gly Ser Glu Pro Gly Pro
 20 25

<210> 366

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 366

Val Gly Gln Ser Val Thr Phe His Gly Asp Phe Tyr Asp Trp Phe Asp
 1 5 10 15

Arg Gln Leu Ser Gly Ser Gln Glu Phe Gly
 20 25

<210> 367
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 367
 Thr Ile Asp His His Pro Leu His Glu Gln Phe Tyr Asp Trp Phe Ala
 1 5 10 15
 Arg Gln Val Ser Asp Leu Glu Ser Leu Gly
 20 25

<210> 368
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 368
 Pro Asn Val Gly Tyr Ala Phe His Glu Asn Phe Tyr Asp Trp Phe Ile
 1 5 10 15
 Arg Gln Val Ser Ile Glu Glu Lys Ala Gly
 20 25

<210> 369
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 369
 Ser Arg Gly Ser Gly Val Phe His Glu Ser Phe Tyr Asn Trp Phe Asp
 1 5 10 15
 Arg Gln Val Ser Glu Trp Ile Gln Phe Gly
 20 25

<210> 370
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 370

Gln	Pro	Val	Ser	Gly	Ser	Val	His	Glu	Arg	Phe	Tyr	Asp	Trp	Phe	Val
1				5					10					15	

Arg	Gln	Val	Ser	Gly	Ser	Ala	Gly	Gly	Gly
			20				25		

<210> 371

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 371

Ala	Ser	Gln	Leu	Pro	Pro	Val	Tyr	Glu	Asn	Phe	Tyr	Glu	Trp	Phe	Asp
1				5					10					15	

Arg	Gln	Val	Ser	Leu	Asp	Ala	Gln	Arg	Glu
			20				25		

<210> 372

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 372

Val	Ser	Gly	Arg	Gly	Ala	Phe	His	Glu	Asn	Phe	Tyr	Asp	Trp	Phe	Val
1				5					10					15	

Arg	Gln	Val	Phe	Arg	Asp	Glu	Gln	Asp	Thr
			20				25		

<210> 373

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 373

Ala Arg Pro Pro Pro Thr Val His Glu Asn Phe Tyr Asp Trp Phe Val
 1 5 10 15

Arg Gln Val Ser Glu Thr Trp Arg Gln Asp
 20 25

<210> 374

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 374

Gln Gly Gly Asp Arg Leu Phe His Glu Arg Phe Tyr Asp Trp Phe Asp
 1 5 10 15

Arg Leu Val Ser Ser Asp Ser Thr Gly Glu
 20 25

<210> 375

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 375

Gln His Ile Ala Ala Gly Leu His Glu Asn Phe Tyr Asp Trp Phe Ile
 1 5 10 15

Arg Gln Val Ser Gly Val Asn Val Pro Ala
 20 25

<210> 376

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 376

Gln Pro Asn Asp Gly Leu Leu His Glu Asn Phe Tyr Asp Trp Phe Val
 1 5 10 15

Arg Gln Val Ser Asn Ala Val Asp Gly Gly
 20 25

<210> 377
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 377
 Pro Val Glu Phe Thr Val Tyr His Asp Asn Phe Tyr Asp Trp Phe Ala
 1 5 10 15
 Arg Gln Val Ser Asp Gly Leu Gly Gln Phe
 20 25

<210> 378
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 378
 Phe Cys Val Gln Ala Ser Ile His Glu Asn Phe Tyr Asp Trp Phe Val
 1 5 10 15
 Arg Gln Val Ala Glu Asn Gln Val Phe Ser
 20 25

<210> 379
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 379
 Gly Arg Pro Arg Gly Ser Phe His Glu Asn Phe Tyr Asp Trp Phe Ala
 1 5 10 15
 Arg Gln Val Ser Gly Asp Gly Ala Gly Thr
 20 25

<210> 380
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 380

Ile	Val	Gly	Ala	Ser	Leu	Cys	His	Glu	Ser	Phe	Tyr	Asp	Trp	Phe	Ala
1				5					10					15	

Cys	Gln	Val	Thr	Asn	Leu	Gln	Ser	Gln	Gly
		20						25	

<210> 381

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 381

Ile	Gly	Leu	Arg	Gln	Met	Phe	His	Glu	Asn	Phe	Tyr	Asp	Trp	Phe	Ala
1				5					10					15	

Arg	Glu	Val	Ser	Lys	Glu	Ala	Gly	Asp	Gly
		20						25	

<210> 382

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 382

Leu	Gly	Gly	Ala	Ile	Glu	Gly	His	Gly	Asn	Phe	Tyr	Asp	Trp	Phe	Val
1				5					10					15	

Arg	Gln	Val	Ser	Leu	Asp	Val	Gly	Gly	Glu
		20						25	

<210> 383

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 383

Leu	Asn	Ala	Leu	Gln	Gln	Leu	His	Glu	Asn	Phe	Tyr	Asp	Trp	Phe	Gly
1				5					10					15	

Arg Gln Val Ser Ala Thr Pro Pro Gly Gly
 20 25

<210> 384

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 384

Val Gly Asn Cys Asp Thr Phe Pro Glu Asn Phe Tyr Asp Trp Phe Ala
 1 5 10 15

Cys Gln Val Ser Glu Leu Gly Gly Met Asn
 20 25

<210> 385

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 385

Phe Ser Gln Asp Gly Asn Phe His Glu Asn Phe Tyr Asp Trp Phe Asp
 1 5 10 15

Arg Gln Leu Ser Leu Val Gly Ala Gly Thr
 20 25

<210> 386

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 386

Pro Ala Gly Asn Arg Ala Leu His Glu Ser Phe Tyr Asp Trp Phe Val
 1 5 10 15

Arg Gln Val Ser Glu Phe Gln Leu Gly Ala
 20 25

<210> 387

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 387

Asp	Arg	Leu	Arg	Ala	Arg	Phe	Asn	Glu	Asn	Phe	Tyr	Asp	Trp	Phe	Asp
1				5				10						15	

Arg	Gln	Val	Ser	Gly	Gln	Gly	Ser	Met	Pro
			20				25		

<210> 388

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 388

Val	Leu	Gly	Val	Ala	Gln	Phe	His	Asp	Lys	Phe	Tyr	Asp	Trp	Phe	Ala
1				5				10						15	

Arg	Gln	Val	Ser	Gln	Leu	Glu	Ser	Ala	Gly
			20				25		

<210> 389

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 389

Gly	Val	Val	Gly	Gly	Ala	Phe	His	Glu	Gln	Phe	Tyr	Asp	Trp	Phe	Asp
1				5				10						15	

Arg	Gln	Val	Ser	Ala	Ala	Phe	Lys	Gly	Asp
			20				25		

<210> 390

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 390

Asp	Glu	Ser	Glu	Met	Arg	Leu	His	Glu	Gln	Phe	Tyr	Asp	Trp	Phe	Ala
1				5				10						15	
Arg Leu Val Ser Leu Glu Gly Gly Ser Ala															
				20					25						

<210> 391

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 391

Glu	Gly	Gly	Gly	Val	Ala	Ile	His	Glu	Asn	Phe	Tyr	Asp	Trp	Phe	Asp
1				5				10						15	
Arg Gln Val Ser Leu Gln Gly Trp Ser Asp															
				20					25						

<210> 392

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 392

Ser	Arg	Ile	Val	Ser	Arg	Phe	His	Glu	Asn	Phe	Tyr	Asp	Trp	Phe	Val
1				5				10						15	
Arg Gln Val Ser Gly Asp Ala Pro Val Gln															
				20					25						

<210> 393

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 393

Ile	Pro	Ala	Gly	Ala	Gln	Leu	His	Glu	Asn	Phe	Tyr	Asp	Trp	Phe	Ala
1				5				10						15	

Arg Gln Val Ser Gly Glu Asp Gly Gly Ala
 20 25

<210> 394
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 394
 Gly Ser Ser Ala Ala Gly Phe Asp Glu Gln Phe Tyr Asp Trp Phe Asp
 1 5 10 15

Arg Gln Val Ser Glu Ala Phe Arg Asp Gly
 20 25

<210> 395
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 395
 Arg Leu Ala Leu Arg Thr Phe His Gln Asp Phe Tyr Asp Trp Phe Val
 1 5 10 15

Arg Gln Val Ala Ala Glu Asp Thr Asp Pro
 20 25

<210> 396
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 396
 Gln Gly Ser Phe Ala Val Leu His Glu Asn Phe Tyr Asp Trp Phe Ala
 1 5 10 15

Arg Gln Val Ser Gly Val Glu Gly Leu Ala
 20 25

<210> 397

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 397

Gln Gly Asn Met Ser Ala Leu His Glu Asn Phe Tyr Asp Trp Phe Val
1 5 10 15

Arg Gln Val Ser Glu Ala Asp Arg Val Asp
20 25

<210> 398

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 398

Val Ala Tyr Pro Ala Leu Leu His Glu Gln Phe Tyr Asp Trp Phe Val
1 5 10 15

Arg Gln Val Ser Ala Val Ala Gly Thr Thr
20 25

<210> 399

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 399

Pro Asp Thr Ile Asn Ser Gln His Lys Asn Phe Tyr Asp Trp Phe Val
1 5 10 15

Arg Gln Val Ser Gly Val Gly Thr Ser Ser
20 25

<210> 400

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<400> 400

Ser Glu Asp Val Asp Ser Arg His Glu Asn Phe Tyr Asp Trp Phe Val
 1 5 10 15

Arg Gln Val Ser Gly Ile Gly Leu Gln Asp
 20 25

<210> 401

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 401

Pro Ala Pro Ala Asp Ala Phe Asp His Asn Phe Tyr Asp Trp Phe Ala
 1 5 10 15

Arg Gln Leu Ser Ala Thr Thr Thr Ile Gln
 20 25

<210> 402

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 402

Met Val Gln Arg Ile Ser Ile His Glu Asn Phe Tyr Asp Trp Phe Val
 1 5 10 15

Arg Gln Ile Ser Gly Ser Ala Val Pro Pro
 20 25

<210> 403

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 403

Gly Asn Val Arg Gly Gln Phe His Gly Gln Phe Tyr Asp Trp Phe Ala
 1 5 10 15

Arg Gln Val Ser Gly Ser Glu Gly Asp Ala
 20 25

<210> 404
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 404
 Pro Asp Ala Glu Lys Gln Phe His Glu Thr Phe Tyr Gly Trp Phe Val
 1 5 10 15

Arg Gln Ile Ser Glu Asp Ser Ala Asn Ser
 20 25

<210> 405
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 405
 Phe Gly Arg Gly Val His Cys Asp Glu Asn Phe Tyr Asp Trp Phe Val
 1 5 10 15

Cys Gln Val Ser Gly Ala Leu Leu Glu Gly
 20 25

<210> 406
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 406
 Glu Thr Pro Leu Thr Glu Leu His Glu Gln Phe Tyr Asp Trp Phe Val
 1 5 10 15

Arg Gln Val Ser Gly Phe Pro Gly Gly Val
 20 25

<210> 407
 <211> 26

<212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 407
 Gln His Arg Gly Pro His Phe His Glu Asp Phe Tyr Asp Trp Phe Val
 1 5 10 15
 Arg Gln Val Ser Ser Ala Val Pro Ser Asp
 20 25

<210> 408
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 408
 Arg Gln Asp Pro Gly Leu Phe His Asp Asn Phe Tyr Asp Trp Phe Asp
 1 5 10 15
 Arg Leu Val Ser Ala Trp Asp Gly Gln Glu
 20 25

<210> 409
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 409
 Gln Ala Ala Val Gly Val Cys Asn Lys Asp Phe Tyr Ala Trp Phe Ala
 1 5 10 15
 Cys Gln Val Arg Glu Asp Phe Ala Lys Ala
 20 25

<210> 410
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 410

Arg Asn Trp Asn Leu Gln Phe Asn Glu Asn Phe Tyr Asp Trp Phe Asp
 1 5 10 15

Arg Gln Val Ser Ala Leu Arg Gly Gly Gly
 20 25

<210> 411

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 411

Arg Ser Glu Gln Tyr Arg Phe His Glu Asn Phe Tyr Glu Trp Phe Asp
 1 5 10 15

Arg Gln Val Ser Arg Met Gly Leu Leu Gly
 20 25

<210> 412

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 412

Gly Ala Gly Gly Arg Asp Phe Asp Glu Asp Phe Tyr Asp Trp Phe Val
 1 5 10 15

Arg Gln Val Ser Gly Gln Val Thr Ser Gly
 20 25

<210> 413

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 413

Ser Pro Glu Gly Asn Leu Val His Asp Gln Phe Tyr Asp Trp Phe Val
 1 5 10 15

Arg Gln Leu Ser Ser Thr Ser Ala Gly Thr
 20 25

<210> 414
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 414
 Gln Gly Gly Leu Gly Asp Phe Asp Glu Asp Phe Tyr Asp Trp Phe Ala
 1 5 10 15
 Arg Gln Val Ser Arg Arg Asp Arg Ala Asp
 20 25

<210> 415
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 415
 Leu Ser Gln Gly Val Gly Phe Gln Glu Asn Phe Tyr Glu Trp Phe Glu
 1 5 10 15
 Arg Gln Val Ser Gly Trp Asp Gly Arg Asp
 20 25

<210> 416
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 416
 Val Phe Glu Arg Ser Arg Cys His Asp Asn Phe Tyr Asp Trp Phe Phe
 1 5 10 15
 Cys Gln Val Ser Gly Gln Ala Asp Gly Gly
 20 25

<210> 417
 <211> 26
 <212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 417

Leu Leu Ala Ser Arg Ala Phe His Glu Asn Phe Tyr Asp Trp Phe Ala
1 5 10 15

Arg Gln Val Ser Gly Thr Gln Pro Pro Gly
20 25

<210> 418

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 418

Val Pro Asp Ala Gln Ile Phe His Glu Ser Phe Tyr Asp Trp Phe Val
1 5 10 15

Arg Gln Ala Ser Ala Gly Gly Pro Ala Asp
20 25

<210> 419

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 419

Ala Asn Gln Met Gly Arg Phe His Asp Asn Phe Tyr Asp Trp Phe Asp
1 5 10 15

Arg Gln Val Ser Arg Tyr Glu Arg Gly Thr
20 25

<210> 420

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 420

Pro Ser Arg Lys Asp Gly Leu His Gln Ser Phe Tyr Asp Trp Phe Ala
 1 5 10 15

Arg Gln Val Gln Asp Met Glu Gly Arg Ala
 20 25

<210> 421

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 421

Gln Ala Val Thr Arg Arg Phe His Glu Asn Phe Tyr Asp Trp Phe Ala
 1 5 10 15

Arg Gln Val Ser Glu Glu Gly Gly Trp Ser
 20 25

<210> 422

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 422

Gly Tyr Ala Val Gly Gln Tyr Gln Ala Asn Phe Tyr Asp Trp Phe Val
 1 5 10 15

Arg Gln Val Asp Gly Met Ser Asn Gly Gly
 20 25

<210> 423

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 423

Gly His Gln Arg Asp Leu Leu His Glu Ser Phe Tyr Asp Trp Phe Val
 1 5 10 15

Arg Gln Val Ser Glu Ala Glu Gly Gly Gly
 20 25

<210> 424
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 424
 Asp Arg Pro Ser Ser Phe Ile His Glu Asn Phe Tyr Glu Trp Phe Ala
 1 5 10 15
 Arg Gln Val Ser Gln Ser Gly Ser Ser Gly
 20 25

<210> 425
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 425
 Glu Arg Thr Ala Glu Thr Leu His Glu Gln Phe Tyr Asp Trp Phe Val
 1 5 10 15
 Arg Gln Val Ser Ala Met Asp Gly Glu Ser
 20 25

<210> 426
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 426
 Leu Thr Ser Gln Leu Leu Ser His Glu Asp Phe Tyr Asp Trp Phe Val
 1 5 10 15
 Arg Gln Val Ser Gly Val Gly Gly Ser Gly
 20 25

<210> 427
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 427

Pro	Asp	Arg	Ser	Asp	Arg	Leu	Asp	Asp	Asn	Phe	Tyr	Asp	Trp	Phe	Val
1				5					10					15	

Arg	Gln	Val	Ser	Gln	Val	Ile	Asn	Glu	Asp
			20					25	

<210> 428

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 428

Arg	Ala	Gly	Gly	Val	Gly	Leu	His	Asp	Asn	Phe	Tyr	Asp	Trp	Phe	Val
1				5					10					15	

Arg	Gln	Val	Ser	Gly	Gly	Asp	Ser	Gly	Pro
			20					25	

<210> 429

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 429

Ala	Asp	Cys	Tyr	Val	Gln	Leu	His	Glu	Asn	Phe	Tyr	Asp	Trp	Phe	Arg
1				5					10					15	

Arg	Gln	Val	Cys	Asn	Leu	Gln	Glu	Gly	Met
			20					25	

<210> 430

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 430

Arg Gln Gly His Ala Gly Phe His Asp Asn Phe Tyr Asp Trp Phe Val
 1 5 10 15

Arg Gln Val Ser Gly Ser Thr Pro Gln Val
 20 25

<210> 431

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 431

Val Thr Phe Thr Ser Ala Val Phe His Glu Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Arg Gln Val Ser
 20

<210> 432

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 432

Gly Ile Ile Ser Gln Ser Cys Pro Glu Ser Phe Tyr Asp Trp Phe Ala
 1 5 10 15

Gly Gln Val Ser Asp Pro Trp Trp Cys Trp
 20 25

<210> 433

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 433

Val Gly Arg Ala Ser Gly Phe Pro Glu Asn Phe Tyr Asp Trp Phe Gly
 1 5 10 15

Arg Gln Leu Ser Leu Gln Ser Gly Glu Gln
 20 25

<210> 434
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 434
 Val Gly Tyr Gln Gly Gln Gly Asp Glu Asn Phe Tyr Asp Trp Phe Ile
 1 5 10 15
 Arg Gln Val Ser Gly Arg Leu Gly Val Gln
 20 25

<210> 435
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 435
 Ser Ala Cys Gln Phe Asp Cys His Glu Asn Phe Tyr Asp Trp Phe Ala
 1 5 10 15
 Arg Gln Val Ser Gly Gly Ala Ala Tyr Gly
 20 25

<210> 436
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 436
 Ser Ala Ala Gln Leu Phe Phe Gln Glu Ser Phe Tyr Asp Trp Phe Leu
 1 5 10 15
 Arg Gln Val Ala Glu Ser Ser Gln Pro Asn
 20 25

<210> 437
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 437

Ala	Val	Arg	Ala	Thr	Arg	Phe	Asp	Glu	Ala	Phe	Tyr	Asp	Trp	Phe	Val
1				5					10					15	

Arg	Gln	Ile	Ser	Asp	Gly	Gln	Gly	Asn	Lys
			20					25	

<210> 438

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 438

Val	Asn	Gln	Ser	Gly	Ser	Ile	His	Glu	Asn	Phe	Tyr	Asp	Trp	Phe	Glu
1				5					10					15	

Arg	Gln	Val	Ser	His	Gln	Arg	Gly	Val	Arg
			20					25	

<210> 439

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 439

Ala	Pro	Asp	Pro	Ser	Asp	Phe	Gln	Glu	Ile	Phe	Tyr	Asp	Trp	Phe	Val
1				5					10					15	

Arg	Gln	Val	Ser	Arg	Met	Pro	Gly	Gly	Gly
			20					25	

<210> 440

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 440

Ser	Ser	Cys	Asp	Gly	Ala	Gly	His	Glu	Ser	Phe	Tyr	Glu	Trp	Phe	Val
1				5					10					15	

Arg Gln Val Ser Gly Cys Arg Ser Val
 20 25

<210> 441
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 441
 Arg Ala Gly Ser Ser Asp Phe His Glu Asp Phe Tyr Glu Trp Phe Val
 1 5 10 15

Arg Gln Val Ser Leu Ser Leu Lys Gly Lys
 20 25

<210> 442
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 442
 Gln Ala Val Gln Pro Gly Phe His Glu Glu Phe Tyr Asp Trp Phe Val
 1 5 10 15

Arg Gln Val Ser Thr Gly Val Gly Gly Gly
 20 25

<210> 443
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 443
 Ser Ser Ile Gly Gly Gly Phe His Glu Asn Phe Tyr Asp Trp Phe Ser
 1 5 10 15

Arg Gln Leu Ser Gln Ser Pro Pro Leu Lys
 20 25

<210> 444
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 444
 Gln Ser Pro Val Gly Ser Ser His Glu Asp Phe Tyr Asp Trp Phe Phe
 1 5 10 15
 Arg Gln Val Ala Gln Ser Gly Ala His Gln
 20 25

<210> 445
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 445
 Asn Tyr Arg Arg Gln Val Phe Asn Gly Asn Phe Tyr Asp Trp Phe Asp
 1 5 10 15
 Arg Gln Val Phe Ser Leu Val Thr Pro Gly
 20 25

<210> 446
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 446
 Thr Leu Asp Gly Gly Ser Phe Glu Glu Gln Phe Tyr Asp Trp Phe Val
 1 5 10 15
 Arg Gln Leu Ser Tyr Arg Thr Asn Pro Asp
 20 25

<210> 447
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 447

Phe Tyr Val Gln Gln Trp Gly His Glu Asn Phe Tyr Asp Trp Phe Asp
 1 5 10 15

Arg Gln Val Ser Gln Ser Gly Gly Ala Gly
 20 25

<210> 448

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 448

Leu Arg Arg Gln Ala Pro Val Glu Glu Asn Phe Tyr Asp Trp Phe Val
 1 5 10 15

Arg Gln Val Ser Gly Asp Arg Val Gly Gly
 20 25

<210> 449

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 449

Arg Cys Gly Arg Glu Leu Tyr His Ser Thr Phe Tyr Asp Trp Phe Asp
 1 5 10 15

Arg Gln Val Ala Gly Arg Thr Cys Pro Ser
 20 25

<210> 450

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 450

Cys Cys Leu Leu Cys Arg Phe Gln Gln Asn Phe Tyr Asp Trp Phe Val
 1 5 10 15

Cys Gln Gly Ile Ser Arg Leu Arg Pro Leu
 20 25

<210> 451
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 451
 Pro Pro Leu Ala Ser Asp Leu Asp Val Gln Phe Tyr Gly Trp Phe Val
 1 5 10 15

Gln Gln Val Ser Pro Pro Gly Arg Gly Gly
 20 25

<210> 452
 <211> 25
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 452
 Gly Ala Pro Val Asp Gln Leu His Glu Asp Phe Tyr Asp Trp Phe Val
 1 5 10 15

Arg Gln Val Ser Gln Ala Ala Thr Gly
 20 25

<210> 453
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 453
 Arg Ser Ala Ser Gly Ser Leu Pro Glu Gln Phe Tyr Asp Trp Phe Val
 1 5 10 15

Arg Gln Val Ser Leu Ser Gly Thr Asp Lys
 20 25

<210> 454

<211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 454
 Ser Arg Val Thr Thr Val Phe His Glu Asn Phe Tyr Asp Trp Phe Val
 1 5 10 15
 Arg Gln Leu Ser Asp Ser Ala Ile Ser Gly
 20 25

<210> 455
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 455
 Asp Glu Arg Gly Gly Lys Phe Arg Glu Asp Phe Tyr Asp Trp Phe Val
 1 5 10 15
 Arg Gln Val Ser Glu Ser Arg Phe Gly Gln
 20 25

<210> 456
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 456
 Arg Gly Ala Val Ala Gly Phe His Asp Gln Phe Tyr Asp Trp Phe Asp
 1 5 10 15
 Arg Gln Val Ser Arg Val His Lys Phe Gly
 20 25

<210> 457
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic

peptide

<400> 457

Ala Ile Cys Asp Ala Gly Phe His Glu His Phe Tyr Asp Trp Phe Ala
 1 5 10 15

Leu Gln Val Ser Asp Cys Gly Arg Gln Ser
 20 25

<210> 458

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 458

Leu Gly Tyr Gln Glu Pro Phe Gln Gln Asn Phe Tyr Asp Trp Phe Val
 1 5 10 15

Arg Gln Val Ser Gly Ala Glu Asn Ala Gly
 20 25

<210> 459

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 459

Trp Arg Gly His Gly Thr Phe His Glu Asp Phe Tyr Asp Trp Phe Val
 1 5 10 15

Arg Gln Val Ser Gly Ser Gly Ser Ser Thr
 20 25

<210> 460

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 460

Gly Gly Arg Val Gly Val Leu His Glu Asn Phe Tyr Asp Trp Phe Asp
 1 5 10 15

Arg Gln Val Ser Leu Arg Gly Ala Asp Gly
 20 25

<210> 461
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 461
 Cys Asn Leu Thr Ala Gly Phe His Glu Gln Phe Tyr His Trp Phe Ala
 1 5 10 15

Ile Gln Val Cys Gly Asp Ala Glu Asn Ala
 20 25

<210> 462
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 462
 Glu Arg Gly Glu Asp Met Phe His Glu Asn Phe Tyr Asp Trp Phe Val
 1 5 10 15

Arg Gln Ile Ser Gly Arg Gln Gly Gly Gly
 20 25

<210> 463
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 463
 Thr Asn Gln Gly Val Gly Phe Tyr Asp Ser Phe Tyr Gly Trp Phe Val
 1 5 10 15

Arg Gln Ile Gln Tyr Gly Val Asp Ser Gly
 20 25

<210> 464
 <211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 464

His Leu Ala Asp Gly Gln Phe His Glu Lys Phe Tyr Asp Trp Phe Glu
1 5 10 15

Arg Gln Ile Ser Ser Arg Cys Asn Asp Cys
20 25

<210> 465

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 465

Gln Thr Phe Gly Lys Ser Leu His Glu Asn Phe Tyr Asp Trp Phe Val
1 5 10 15

Arg Gln Val Ser Arg Glu Glu Gly Gly Asp
20 25

<210> 466

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 466

Phe Arg Thr Leu Ala Ala Gln His Asp Ser Phe Tyr Asp Trp Phe Asp
1 5 10 15

Arg Gln Val Ser Gly Ala Ala Gly Glu Arg
20 25

<210> 467

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 467

Ser Ala Ser Thr His Gln Phe His Glu Asn Phe Tyr Asp Trp Phe Val
 1 5 10 15

Arg Gln Val Ser Gly Ala Gln Lys Ile Leu
 20 25

<210> 468

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 468

Xaa Xaa Xaa Xaa Xaa Xaa Phe His Xaa Xaa Phe Tyr Xaa Trp Phe Xaa
 1 5 10 15

Xaa Xaa Xaa Xaa Xaa
 20

<210> 469

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 469

Val Thr Phe Thr Ser Ala Val Phe His Glu Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Arg Gln Val Ser
 20

<210> 470

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 470

Gln Ser Asp Ser Gly Thr Val His Asp Arg Phe Tyr Gly Trp Phe Arg
 1 5 10 15

Asp Thr Xaa Ala
 20

<210> 471

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 471

Trp Thr Asp Val Asp Gly Phe His Ser Gly Phe Tyr Arg Trp Phe Gln
 1 5 10 15

Asn Gln Trp Glu Arg
 20

<210> 472

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 472

Val Ala Ser Gly His Val Leu His Gly Gln Phe Tyr Arg Trp Phe Val
 1 5 10 15

Asp Gln Phe Ala Leu
 20

<210> 473

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 473

Gln Ala Arg Val Gly Asn Val His Gln Gln Phe Tyr Glu Trp Phe Arg
 1 5 10 15

Glu Val Met Gln Gly
 20

<210> 474
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 474

Val Gly Asp Phe Cys Val Ser His Asp Cys Phe Tyr Gly Trp Phe Leu
1 5 10 15

Arg Glu Ser Met Gln
20

<210> 475
<211> 20
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 475

Ser Gly Ser Arg Pro Val Phe His Glu Gln Phe Tyr Glu Trp Phe Val
1 5 10 15

Asp Gln Leu Gly
20

<210> 476
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 476

Gln Phe Ser Ala Gly Ala Phe His Gly Asp Phe Tyr Gly Trp Phe Arg
1 5 10 15

Ala Leu Tyr Asn Gly
20

<210> 477
<211> 21
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 477

Ser Arg Phe Asp Glu Arg Leu His His Gln Phe Tyr Glu Trp Phe Arg
1 5 10 15

Val Leu Asn Glu Pro
20

<210> 478

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 478

Asp Ser Val Asn Ser Asp Leu His Arg Ala Phe Tyr Gly Trp Phe Ala
1 5 10 15

Glu Gln Trp Arg Ala
20

<210> 479

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 479

Gly Ser Val Asp Arg Glu Ile His Gly Pro Phe Tyr Ser Trp Phe Ser
1 5 10 15

Glu Gln Leu Trp Gly
20

<210> 480

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 480

Ser Ala Lys Thr Pro Val Leu His Asp Gly Phe Tyr Met Trp Phe Glu
1 5 10 15

Ala Gln Ser Glu Ser
20

<210> 481

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 481

Leu Val Val Gly Arg Arg Phe His Gln Ser Phe Tyr Asp Trp Phe Val
1 5 10 15

Ala Ala Ala Gly Gly
20

<210> 482

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 482

Ile Met Trp Pro Cys Thr Phe Gln Asp Pro Phe Tyr Cys Trp Phe Gln
1 5 10 15

Thr Glu Gln Gly Arg
20

<210> 483

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 483

Val Val Gly Pro Leu Asp Ile His Glu Arg Phe Tyr Gly Trp Phe His
1 5 10 15

Gln Gln Gly Gly Ala
20

<210> 484

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 484

Val Val Pro Lys Ala Gly Phe His Glu Ala Phe Tyr Glu Trp Phe Arg
1 5 10 15

Arg Gln Asp Arg Asp
20

<210> 485

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 485

Gln Ser Phe Val Thr Ser Val His Thr Arg Phe Tyr Ala Trp Phe Ala
1 5 10 15

Ser Ala Leu Glu Met
20

<210> 486

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 486

Ser Arg Gly Leu Gly Leu Tyr His Ser Gly Phe Tyr Gly Trp Phe Glu
1 5 10 15

Arg Gln Phe Asn Gln
20

<210> 487

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 487

Gly Ala Asp Thr Gly Ala Val His Arg Arg Phe Tyr Leu Trp Phe Glu
1 5 10 15

Gln Leu Ser Gly Gly
20

<210> 488

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 488

Pro Gly Asn Arg Pro Thr Phe His Ala Glu Phe Tyr Arg Trp Phe Arg
1 5 10 15

Glu Ala Gln Gly Ser
20

<210> 489

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 489

Val Ala Val Ala Trp Gly Leu His Glu Ser Phe Tyr Ala Trp Phe Glu
1 5 10 15

Asn Gln Phe Ser Asp
20

<210> 490

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 490

Gly Phe Asn Thr Gly Thr Phe His Asp Gln Phe Tyr Tyr Trp Phe Trp
 1 5 10 15

Glu Ala Ala Gly Gly
 20

<210> 491

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 491

Gly Asp Gly Leu Thr Ala Phe His Gln Gly Phe Tyr Glu Trp Phe Asp
 1 5 10 15

Ile Gln Met Tyr Gly
 20

<210> 492

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 492

Val Gly Val Asn Arg Gln Phe His Thr Arg Phe Tyr Ala Trp Phe Asp
 1 5 10 15

Glu Gln Leu Gly Gly
 20

<210> 493

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 493

Gly Pro Arg Gly Gln Arg Leu His Asp Ala Phe Tyr Ser Trp Phe Asp
 1 5 10 15

Ala Leu Arg Val Asn
 20

<210> 494
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 494
Leu Gly Thr Leu Ala Val Phe His Glu Leu Phe Tyr Gly Trp Phe Glu
1 5 10 15
Arg Gln Leu Gly Gly
20

<210> 495
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 495
Leu Gly Gly Tyr Cys Gly Phe Asn Cys Gln Phe Tyr Arg Trp Phe Asp
1 5 10 15
Asn Leu Ala Asp Arg
20

<210> 496
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 496
Phe Ser Gly Trp Ala Asp Tyr Gln Ser Gly Phe Tyr Gln Trp Phe Ala
1 5 10 15
Glu Glu Leu Ala Asn
20

<210> 497
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 497

Trp	Gly	Pro	Phe	Ser	Val	Phe	Asp	Glu	Ser	Phe	Tyr	Arg	Trp	Phe	Ala
1				5					10					15	

Gln	Ala	Ser	Asp	Asp
			20	

<210> 498

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 498

Pro	Arg	Asn	Glu	Gly	Leu	Val	His	Gly	Leu	Phe	Tyr	Asp	Trp	Phe	Gln
1				5					10					15	

Arg	Ala	Leu	Ser	Gly
			20	

<210> 499

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 499

Asp	Glu	Gly	Gly	Ala	Pro	Leu	Asp	Val	Met	Phe	Tyr	Arg	Trp	Phe	Glu
1				5					10					15	

Gln	Ala	Val	Arg	Gly
			20	

<210> 500

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 500

Gln	Ser	Gly	Asn	Arg	Gly	Ser	His	Gly	Ala	Phe	Tyr	Ser	Trp	Phe	Arg
1				5					10					15	

Asp Val Leu Ala Asn
20

<210> 501
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 501
Met Arg Gln Arg Asp Gly Phe Asn Ser Ser Phe Tyr Gly Trp Phe Ala
1 5 10 15

Ala Ala Leu Gly Glu
20

<210> 502
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 502
Ser Glu Glu Arg Lys Lys Val His Ser Gln Phe Tyr Ser Trp Phe Asp
1 5 10 15

Arg Gln Leu Leu Gly
20

<210> 503
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 503
Pro Ser Pro Asn Ala Pro Phe His Gly Gly Phe Tyr Asp Trp Phe Asp
1 5 10 15

Trp Val Gln Gly Ser
20

<210> 504
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 504
 Phe His Arg Pro Gly Ser Phe Asn Thr Asn Phe Tyr Gln Trp Phe Asp
 1 5 10 15
 Asp Gln Met Asn Gln
 20

<210> 505
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 505
 Ser Asp Asp Ser Ser Thr Leu Asn Gly Arg Phe Tyr Thr Trp Phe His
 1 5 10 15
 Met Gln Leu Leu Asp
 20

<210> 506
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 506
 Gln Arg Gly Gly Gly Gly Phe His Glu Gly Phe Tyr Ser Trp Phe Arg
 1 5 10 15
 Ser Gln Ser Leu Leu
 20

<210> 507
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 507

Ser Gly Ser Arg Pro Val Phe His Glu Gln Phe Tyr Glu Trp Phe Val
1 5 10 15

Asp Gln Leu Gly Leu
20

<210> 508

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 508

Gly Gly Ser Ser Gln Ala Phe His Gly Ala Phe Tyr Glu Trp Phe Ser
1 5 10 15

Ala Gln Leu Arg Gly
20

<210> 509

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 509

Ala Phe Val Ser Glu Arg Val Asn Gln Arg Phe Tyr Asp Trp Phe Arg
1 5 10 15

Asp Gln Met Arg Ser
20

<210> 510

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 510

Val Arg His Pro Thr Arg Phe His Asp Glu Phe Tyr Arg Trp Phe Thr
1 5 10 15

Glu Gln Leu Thr Thr
20

<210> 511
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 511
Ala Arg Leu Leu Asn Ile Phe Asp Arg Gly Phe Tyr Asn Trp Phe Gln
1 5 10 15

Arg Gln Leu Asp Glu
20

<210> 512
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 512
Pro Ser Leu Ser Ser Asn Leu His Glu Ser Phe Tyr Arg Trp Phe Asp
1 5 10 15

Gln Leu Val Ser Thr
20

<210> 513
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 513
Phe Ala Phe Gly Leu Gly Phe His Gln Gly Phe Tyr Asp Trp Phe Ala
1 5 10 15

His Gln Leu Glu Gly
20

<210> 514

<211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 514
 Val Ser Ala Thr Val Met Leu His Arg Glu Phe Tyr Asp Trp Phe Gly
 1 5 10 15

Leu Gln Leu Leu Asp
 20

<210> 515
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 515
 Gly Gly Val Ser Gly Val Leu His Asp Arg Phe Tyr Ser Trp Phe Glu
 1 5 10 15

Arg Gln Leu Ala Gly
 20

<210> 516
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 516
 Gly Leu Gly Ile Ala Ser Phe His Glu Gly Phe Tyr Ser Trp Phe Thr
 1 5 10 15

Ala Gln Leu Gly Ala
 20

<210> 517
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic

peptide

<400> 517

Arg	Val	Asp	Ala	Ala	Ala	Leu	Asn	Ala	Gly	Phe	Tyr	Glu	Trp	Phe	Arg
1				5					10					15	

Gly	Val	Ile	Gln	Gly
			20	

<210> 518

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 518

Gly	Gly	Ala	Gly	Arg	Ser	Phe	His	Asp	Ala	Phe	Tyr	Glu	Trp	Phe	Glu
1				5					10					15	

Arg	Gln	Met	Ala	Gly
			20	

<210> 519

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 519

Glu	Gly	Ala	Arg	Gln	Gly	Phe	His	Ala	Arg	Phe	Tyr	Ser	Trp	Phe	Ala
1				5					10					15	

Gln	Gln	Leu	Ala	Leu
			20	

<210> 520

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 520

Val	Leu	Leu	Pro	Gly	Val	Val	His	Gly	Gly	Phe	Tyr	Asp	Trp	Phe	Ser
1				5					10					15	

Arg Gln Leu Ser Ser
20

<210> 521
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 521
Gly Ala Leu Ser Asp Arg Tyr Asn Asn Val Phe Tyr Asp Trp Phe Arg
1 5 10 15

Glu Gln Leu Leu Gly
20

<210> 522
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 522
Pro Asp Ser Phe Met Ser Leu His Gln Arg Phe Tyr Ser Trp Phe Gln
1 5 10 15

Ala Gln Val Gly Thr
20

<210> 523
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 523
Arg Val Tyr Lys Ala Asn Phe His Asn Glu Phe Tyr Gly Trp Phe Arg
1 5 10 15

Glu Gln Leu Leu Gly
20

<210> 524
<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 524

His Ser Gly Met Arg Asp Val His Ala Arg Phe Tyr Ser Trp Phe Ser
1 5 10 15

Glu Gln Leu Ser Gly
20

<210> 525

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 525

Ala Arg Leu Leu Glu Arg Phe Gln Asp Pro Phe Tyr Glu Trp Phe Glu
1 5 10 15

Thr Leu Met Gly Asp
20

<210> 526

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 526

Arg Asn Ser Ser Gly Asn Phe His Asp Lys Phe Tyr Asn Trp Phe Glu
1 5 10 15

Ala Gln Leu Lys Gly
20

<210> 527

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 527

Gly Ser Met Ser Pro Val Phe Asn Asp Gln Phe Tyr Gly Trp Phe Arg
1 5 10 15

Asp Leu Val Asp Glu
20

<210> 528

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 528

Ser Cys Thr Gly Arg Gln Phe Asp Gly Cys Phe Tyr Ala Trp Phe Glu
1 5 10 15

Asp Gln Leu Val Gly
20

<210> 529

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 529

Gly Ile Ala Val Gln Ser Leu His Asp Ser Phe Tyr Arg Trp Phe Asp
1 5 10 15

Asn Ala Leu Gly Ser
20

<210> 530

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 530

Ile Gly Pro Pro Gly Ser Leu His Arg Gly Phe Tyr Asp Trp Phe Ala
1 5 10 15

Glu Gln Val Glu Ala
20

<210> 531
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 531
Gly Ala Ala Gly Ile Ser Phe His Arg Gly Phe Tyr Asp Trp Phe Ala
1 5 10 15
Ala Gln Val Arg Asp
20

<210> 532
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 532
Gly Val Asp Val Thr Asp Phe His Lys Asp Phe Tyr Ser Trp Phe Gln
1 5 10 15
Arg Gln Leu Asn Gly
20

<210> 533
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 533
Trp Ala Gly Arg Ala Gly Ile His Gly Gly Phe Tyr Glu Trp Phe Asn
1 5 10 15
Arg Gln Leu Arg Gly
20

<210> 534
<211> 21
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 534

Leu Gly Gln Leu Ala Ala Phe His Leu Gly Phe Tyr Glu Trp Phe Ser
1 5 10 15

Glu Ala Val Ala Ala
20

<210> 535

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 535

Val His Ser Val Ser Arg Leu Asn Val Gly Phe Tyr Gln Trp Phe Gln
1 5 10 15

Asp Gln Leu Ser Gly
20

<210> 536

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 536

Leu Gly Leu Met Ala Ile Phe Asp Arg Gly Phe Tyr Gly Trp Phe Glu
1 5 10 15

Gln Gln Leu Ser Gly
20

<210> 537

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 537

Val Ala Arg Gly Ser Ser Leu His Asp Asp Phe Tyr Glu Trp Phe Ala
 1 5 10 15

Ser Gln Leu Arg Thr
 20

<210> 538

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 538

Leu Gly Tyr Ile Gly Ala Leu Asn Thr Gln Phe Tyr Ser Trp Phe Ala
 1 5 10 15

Asp Leu Val Gly Ser
 20

<210> 539

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 539

Glu Asp Ser Arg Leu Arg Leu His Glu Gly Phe Tyr Gly Trp Phe Arg
 1 5 10 15

Lys Gln Leu Gly Asp
 20

<210> 540

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 540

Gly Arg Asp Asn Met Lys Phe His Ser Gly Phe Tyr Asp Trp Phe Thr
 1 5 10 15

Gln Gln Leu Ala Gly
 20

<210> 541
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 541
 Ala Gly Val Met Gly Gly Phe His Gln Glu Phe Tyr Leu Trp Phe Glu
 1 5 10 15
 Arg Ala Leu Ser Asn
 20

<210> 542
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 542
 Ala Gly His Val Gly Gln Val Tyr Asp Gly Phe Tyr Gly Trp Phe Arg
 1 5 10 15
 Glu Gln Leu Gly Ala
 20

<210> 543
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 543
 Phe Val Gln Asn Ile Gly Phe Asp Tyr Asp Phe Tyr Gly Trp Phe Val
 1 5 10 15
 Arg Glu Val Glu Lys
 20

<210> 544
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 544

Pro	Val	Gly	Ile	Gly	Gly	Leu	His	Arg	Ala	Phe	Tyr	Gln	Trp	Phe	Gln
1				5					10					15	

Ser	Gln	Val	Asp	Ala
			20	

<210> 545

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 545

Gly	Ser	Arg	Gln	Glu	Ala	Asp	His	Gln	Ala	Phe	Tyr	Asp	Trp	Phe	Asn
1				5					10					15	

Leu	Val	Leu	Gly	Val
			20	

<210> 546

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 546

Ala	Gly	Gly	Arg	Lys	Pro	Phe	His	Asp	Asp	Phe	Tyr	Gly	Trp	Phe	Arg
1				5					10					15	

Asp	Gln	Leu	Ala	Glu
			20	

<210> 547

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 547

Asp Leu Ala Ser His Gly Phe His Asp Ala Phe Tyr Asn Trp Phe Ser
 1 5 10 15

Val Gln Leu Asn Ser
 20

<210> 548

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 548

Gly Ser Asn Gly Gly Gly Val His Gly Gln Phe Tyr Ala Trp Phe Val
 1 5 10 15

Glu Ala Leu Ser Gly
 20

<210> 549

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 549

Arg Gly Arg Ala Ser Thr Phe His Asp Gly Phe Tyr Gly Trp Phe Ser
 1 5 10 15

Gln Gln Leu Arg Phe
 20

<210> 550

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 550

Ser Pro Ala Arg Arg Val Ser His His Asp Phe Tyr Gly Trp Phe Ala
 1 5 10 15

Lys Gln Leu Glu Ser
 20

<210> 551
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 551
 Ser Ser Asp Val Gly Ala Phe His Ser Ala Phe Tyr Asp Trp Phe Lys
 1 5 10 15
 Ala Gln Leu Ser Gly
 20

<210> 552
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 552
 Pro Thr Val His Arg Ala Phe Asp Asp Leu Phe Tyr Gly Trp Phe Ala
 1 5 10 15
 Lys Gln Val Glu Asp
 20

<210> 553
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 553
 Ser Ser Asn Thr Val Gly Leu Asp Glu Arg Phe Tyr Ala Trp Phe Val
 1 5 10 15
 Asp Gln Leu Gly Ala
 20

<210> 554
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 554

Pro	Gly	Ala	Ala	Glu	Gly	Phe	His	Ser	Ala	Phe	Tyr	Asp	Trp	Phe	Ala
1				5				10					15		

Gln	Ala	Val	Ser	Gly
				20

<210> 555

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 555

Met	Arg	Ser	Glu	Ala	Ser	Phe	His	Val	Glu	Phe	Tyr	Ser	Trp	Phe	Glu
1				5				10					15		

Glu	Gln	Leu	Arg	Ser
				20

<210> 556

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 556

Val	Ser	Arg	Tyr	Gly	Gly	Gln	Gln	Asp	Gly	Phe	Tyr	His	Trp	Phe	Ser
1				5				10					15		

Asp	Leu	Leu	Lys	Gly
				20

<210> 557

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 557

Arg	Pro	Ser	Ser	Gly	Gly	Leu	His	Tyr	Gly	Phe	Tyr	His	Trp	Phe	Arg
1				5				10					15		

Val Gln Glu Glu Met
20

<210> 558
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 558
Ser Asn Ile Glu Glu His Phe His Met Gln Phe Tyr Arg Trp Phe Ser
1 5 10 15

Asp Ala Leu Gly Asn
20

<210> 559
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 559
Ala Asn Asp Cys Leu Gly Leu His Ala Gly Phe Tyr Gly Trp Phe Ala
1 5 10 15

Cys Gln Leu Gly Gly
20

<210> 560
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 560
Thr Gly His Arg Leu Gly Leu Asp Glu Gln Phe Tyr Trp Trp Phe Arg
1 5 10 15

Asp Ala Leu Ser Gly
20

<210> 561
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 561
 Val Leu Thr Ser Asn Thr Leu His Gln Arg Phe Tyr Ser Trp Phe Ala
 1 5 10 15
 Ala Ala Arg Arg Glu
 20

<210> 562
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 562
 Cys Val Ala Gln Gly Gly Phe Gln Ser Ser Phe Tyr Cys Trp Phe Ala
 1 5 10 15
 Gly Leu Asp Ile Asp
 20

<210> 563
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 563
 Asn Gly Gln Ser Ser Arg Phe His Thr Ala Phe Tyr Asp Trp Phe Ala
 1 5 10 15
 Ala Gln Leu Ser Gly
 20

<210> 564
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 564

Ser Val Pro Arg Gly Thr Val His Asp Ala Phe Tyr Gln Trp Phe Arg
1 5 10 15

Glu Val Ala Leu Gly
20

<210> 565

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 565

Gly Ala Arg Gly Ser Thr Phe His Asp Gln Phe Tyr Glu Trp Phe Trp
1 5 10 15

Val Gln Leu Gly Asp
20

<210> 566

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 566

Pro Pro Gly Met Asn Gly Phe His Thr Ser Phe Tyr Ser Trp Phe Val
1 5 10 15

Asp Gln Leu Gly Asp
20

<210> 567

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 567

Ala Val Gly Thr Leu Gly Tyr His Ser Gly Phe Tyr Arg Trp Phe Glu
1 5 10 15

Arg Gln Leu Gly Gly
20

<210> 568
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 568
Glu Leu Gln Ala Arg Gly Val His Arg Asn Phe Tyr Arg Trp Phe Glu
1 5 10 15

Ala Gln Val Ser Gly
20

<210> 569
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 569
His Arg Val Ala Arg Ala Phe His Glu Gln Phe Tyr Asp Trp Phe Glu
1 5 10 15

Lys Ala Val Ser Gly
20

<210> 570
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 570
Gly Ala Met Glu Pro Asp Tyr His Arg Ser Phe Tyr Gln Trp Phe Ala
1 5 10 15

Ala Ala Leu Gly Glu
20

<210> 571

<211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 571
 Cys Pro Asp Arg Gln Ser Val Asp Asp Arg Phe Tyr Asn Trp Phe Ala
 1 5 10 15

Asp Ala Leu Ala Ser
 20

<210> 572
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 572
 Gly Gly Ala Gln Ile Ser Phe His Glu Arg Phe Tyr Gln Trp Phe Leu
 1 5 10 15

Gln Glu Ala Ala Gly
 20

<210> 573
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 573
 His Lys Arg Gly Ile Val Gln His Gly Ala Phe Tyr Ala Trp Phe Asp
 1 5 10 15

Ser Leu Leu Ser Gly
 20

<210> 574
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic

peptide

<400> 574

Gln Ala Ser Asp Asn Arg Ser Asp Gly Gln Phe Tyr Leu Trp Phe Glu
 1 5 10 15

Lys Leu Leu Ser Ser
 20

<210> 575

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 575

Asp Arg Gly Arg Met Gly Val Asp Glu Gly Phe Tyr Asn Trp Phe Ala
 1 5 10 15

Arg Gln Met Gln Glu
 20

<210> 576

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 576

Val Thr Phe Thr Ser Ala Val Phe His Glu Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Arg Gln Val Ser
 20

<210> 577

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 577

Thr Ala Ser Gln Glu Cys Phe Asp Asp Gly Phe Tyr Gly Trp Phe Arg
 1 5 10 15

Ala Trp Arg Cys Thr
20

<210> 578
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 578
Ser Leu Asp Trp Arg Trp Ser Glu Glu Pro Phe Tyr Arg Trp Phe Gln
1 5 10 15

Arg Ala Leu Ala Gly
20

<210> 579
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 579
Cys Met Ser Leu Ser Asp Cys His Arg Lys Phe Tyr Gly Trp Phe Lys
1 5 10 15

Ser Gln Gly Gly Glu
20

<210> 580
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 580
Leu Ala Leu Cys Arg Arg Ser Pro Gly Ser Phe Tyr Gly Trp Phe Gln
1 5 10 15

Ala Ala Val Gly Cys
20

<210> 581
<211> 21

<212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 581
 Pro Arg Ser Ala Thr Met Ser Asp Gly Gly Phe Tyr Trp Trp Phe Ala
 1 5 10 15

Ser Gln Leu Gly Leu
 20

<210> 582
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<220>
 <223> Xaa represents a variable or unknown amino acid

<400> 582
 Leu Arg Arg Ser Ser Val Phe His Asp Pro Phe Tyr Glu Xaa Ile Ser
 1 5 10 15

Arg Leu Val Gly Gly
 20

<210> 583
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 583
 Ala Arg Leu Gln Gln Gln Phe His Gly Gly Phe Tyr Glu Trp Phe Arg
 1 5 10 15

Ala Gln Val Ser Pro
 20

<210> 584
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 584

Ala	Gln	Leu	Asp	Asn	Leu	Cys	His	Glu	Pro	Phe	Tyr	Ser	Trp	Phe	Cys
1				5					10					15	

Ala	Val	Thr	Arg	Glu
				20

<210> 585

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 585

Trp	Thr	Cys	Asp	Thr	Ala	Phe	His	Gln	Asp	Phe	Tyr	Gln	Trp	Phe	Cys
1				5					10					15	

Asp	Lys	Leu	Gly	Val
				20

<210> 586

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 586

Gly	Lys	Glu	Gly	Phe	Gly	Leu	Asp	Arg	Asp	Phe	Tyr	Trp	Trp	Phe	Arg
1				5					10					15	

Glu	Gln	Leu	Gly	Pro
				20

<210> 587

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 587

Gly	Arg	Ala	Pro	Ser	Ser	Phe	Asp	Cys	Asp	Phe	Tyr	Cys	Trp	Phe	Arg
1				5						10				15	

Asn Gln Val Gln Ser
20

<210> 588
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 588
Asp Val Glu Ala Glu Thr Gln His Arg Leu Phe Tyr Ala Trp Phe Leu
1 5 10 15

Ser Gln Leu Gly Ser
20

<210> 589
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 589
Ile Ser Val Thr Ala Val Phe His Asp Gly Phe Tyr Gly Trp Phe Asn
1 5 10 15

Glu Gln Val Ser Lys
20

<210> 590
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 590
Asn Ser Glu His Gly Arg Leu Asp Val Asp Phe Tyr Gly Trp Phe Ala
1 5 10 15

Arg Val Ile Gln Gln
20

<210> 591
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 591
 Gly Pro Leu Gly Asp Gly Cys Gln Asp Gly Phe Tyr Gly Trp Phe Met
 1 5 10 15
 Cys Gln Val Ser Thr
 20

<210> 592
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 592
 Lys Arg Ser Ala Tyr Asn Phe His Asp Pro Phe Tyr Asp Trp Phe Arg
 1 5 10 15
 Met Gln Leu Ser Gly
 20

<210> 593
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 593
 Ala Ser Glu Pro Gly Gly Tyr Leu Asp Pro Phe Tyr Gly Trp Phe Arg
 1 5 10 15
 Glu Gln Leu Arg Ala
 20

<210> 594
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 594

Asn Arg Gly Asp Gly Gly Val His Ser Gly Phe Tyr Asn Trp Phe Arg
 1 5 10 15

Leu Gln Leu Ser Gly
 20

<210> 595

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 595

Ala Ser Lys Gly Ser Ser Leu His Asn Asp Phe Tyr Gly Trp Phe Ala
 1 5 10 15

Gln Gln Leu Ala Arg
 20

<210> 596

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 596

Ala Asn Val Ser Met Trp Ile Gln Val Gly Phe Tyr Asp Trp Phe Asp
 1 5 10 15

Ala Gln Leu Arg Gln
 20

<210> 597

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 597

Arg Thr Ser Pro Gly Ser Leu His Asp Pro Phe Tyr Asp Trp Phe Gln
 1 5 10 15

Gln Gln Leu Gly Gly
20

<210> 598

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 598

Pro Gly Val Met Ser Ser Phe His Gly Gly Phe Tyr Ser Trp Phe Arg
1 5 10 15

Glu Gln Leu Asn Gly
20

<210> 599

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 599

Cys Leu Ala Asn Ser Glu Asp His Asp Ser Phe Tyr Gly Trp Phe Cys
1 5 10 15

Gln Ala Leu Gly Gly
20

<210> 600

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 600

Gly Gly Ser Met Gly Gly Met His Gly Ser Phe Tyr Glu Trp Phe Ala
1 5 10 15

Leu Gln Leu Arg Ser
20

<210> 601

<211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 601
 Arg Pro Gln Gly Gly Ser Ile His Ala Gly Phe Tyr Gln Trp Phe Arg
 1 5 10 15

Asp Ala Val Ala Gly
 20

<210> 602
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 602
 Gly Ala Leu Ser Ser Leu Phe Asp Ala Ala Phe Tyr Asp Trp Phe Asn
 1 5 10 15

Arg Gln Leu Glu Gly
 20

<210> 603
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 603
 Lys Val Asp Leu Arg Gly Phe His Asp Gly Phe Tyr Gly Trp Phe Ala
 1 5 10 15

Arg Gln Leu Ala Gly
 20

<210> 604
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic

peptide

<400> 604

Cys Ser Gly Leu Gln Arg Cys His Asp Ser Phe Tyr Ser Trp Phe Glu
 1 5 10 15

Ser Val Val Arg Glu
 20

<210> 605

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 605

Asp Ser Leu Gly Ile Ser Phe His Glu Gly Phe Tyr Asp Trp Phe Arg
 1 5 10 15

Arg Gln Leu Asp Met
 20

<210> 606

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 606

Ser Gly Val Phe Asn Gly Thr Phe Tyr Asp Trp Phe Arg Ile Gln Leu
 1 5 10 15

Gly Glu

<210> 607

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 607

Gly Tyr Arg Glu Met Arg Ser Asp Leu Gly Phe Tyr Gln Trp Phe Arg
 1 5 10 15

Asp Gln Leu Gly Leu
20

<210> 608
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 608
Ser Val Phe Met Gln His Asp His Val Gly Phe Tyr Ala Trp Phe Arg
1 5 10 15

Ser Leu Met Glu Glu
20

<210> 609
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 609
Phe Arg His Ile Thr Glu Val Asp Arg Ser Phe Tyr Gly Trp Phe Val
1 5 10 15

Glu Gln Leu Arg Gly
20

<210> 610
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 610
Trp Ala Gly Gly Ser Asp Val Asp Gly Ser Phe Tyr Asp Trp Phe Gln
1 5 10 15

Arg Leu Leu Ala Ser
20

<210> 611
<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 611

Gly Leu Gln Asn Val Ser Phe His Ser Gly Phe Tyr Glu Trp Phe Ala
1 5 10 15

Arg Gln Val Ser Gln
20

<210> 612

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 612

Ser Arg Val Ser Asp Pro Tyr His Val Gly Phe Tyr Gln Trp Phe Glu
1 5 10 15

Glu Val Val Arg Gly
20

<210> 613

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 613

Met Gly Gly Ala Thr Phe Phe His Thr Gly Phe Tyr Asp Trp Phe Ala
1 5 10 15

Ala Gln Leu Gln His
20

<210> 614

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 614

Arg Pro Ala Ser Arg Pro Phe His Ser Gly Phe Tyr Gln Trp Phe Ala
1 5 10 15

Asp Gln Leu Ser His
20

<210> 615

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 615

Gly Leu Ala Pro Gly Asn Phe His Glu Asp Phe Tyr Arg Trp Phe Gln
1 5 10 15

Glu Gln Thr Leu Gly
20

<210> 616

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 616

Thr Ala Ala Ile Ser Asp Phe Asn Ser Leu Phe Tyr Gly Trp Phe Glu
1 5 10 15

Gln Leu Leu Ser Ser
20

<210> 617

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 617

Leu Asp Glu Asp Leu Pro Gln His Ala Gly Phe Tyr Gly Trp Phe Ala
1 5 10 15

Glu Ala Leu Gly Val
20

<210> 618
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 618
Ala Ser His Lys Ser Ala Phe Asp Asp Asn Phe Tyr Arg Trp Phe Ser
1 5 10 15
Met Gln Leu Arg Asp
20

<210> 619
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 619
His Thr Gly Ala Gly Asp Leu His Gly Ala Phe Tyr Asn Trp Phe Leu
1 5 10 15
Glu Gln Leu Gly Gly
20

<210> 620
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 620
Arg Arg Gly Arg Asp Gly Phe His Gly Gly Phe Tyr Asp Trp Phe Ala
1 5 10 15
Ala Gln Leu Ser Asp
20

<210> 621
<211> 21
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 621

Gly Asn Phe Arg Glu Ala Phe His Ala Asp Phe Tyr Ser Trp Phe Glu
1 5 10 15

Arg Gln Leu Gln Ser
20

<210> 622

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 622

Arg Asp Thr Leu Pro Ala Phe His Gln His Phe Tyr Gln Trp Phe Glu
1 5 10 15

Lys Gln Val Ser Ala
20

<210> 623

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 623

Glu Arg Glu Thr Ala Ala Phe Gly Gln Ala Phe Tyr Gln Trp Phe Arg
1 5 10 15

Asp Gln Ile Ala Gly
20

<210> 624

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 624

Trp Gly Glu Gly Gly Gly Phe Tyr Asp Trp Phe Tyr Asp Gln Leu Gly
 1 5 10 15

Trp Glu Pro Ser His
 20

<210> 625

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 625

Ser Leu Val Ala Ala Asp Leu His Glu Gly Phe Tyr Gly Trp Phe Arg
 1 5 10 15

Ser Gln Leu Gly Gly
 20

<210> 626

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 626

Thr Ser Glu Val Gly Asp Phe His Ala Glu Phe Tyr Ser Trp Phe Glu
 1 5 10 15

Ile Gln Leu Gly Arg
 20

<210> 627

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 627

Thr Gly Ala Asp Gly Leu Leu His Ala Arg Phe Tyr Ala Trp Phe Glu
 1 5 10 15

Glu Gln Leu Arg Glu
 20

<210> 628
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 628
 Arg Arg Ser Asp Ser Ser Leu His Arg Ser Phe Tyr Asp Trp Phe Ser
 1 5 10 15
 Val Gln Leu Leu Asn
 20

<210> 629
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 629
 Ser Glu Ser Lys Tyr Leu Leu His Ser Gly Phe Tyr Gly Trp Phe Glu
 1 5 10 15
 Ala Gln Leu Arg Gly
 20

<210> 630
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 630
 His Gly Val Ile Arg Ala Asp His Thr Gly Phe Tyr Gly Trp Phe Ser
 1 5 10 15
 Lys Gln Leu Ser Asp
 20

<210> 631
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 631

Leu	Ile	Asn	Ala	Gln	Val	Phe	Arg	Arg	Gly	Phe	Tyr	Ala	Trp	Phe	Glu
1				5					10					15	

Glu	Gln	Val	Ser	Lys
				20

<210> 632

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 632

Leu	Gln	Arg	Tyr	Ile	Gly	Phe	His	Asp	Pro	Phe	Tyr	Asp	Trp	Phe	Ser
1				5					10					15	

Arg	Ala	Leu	Ser	Gly
				20

<210> 633

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 633

Met	Arg	Thr	Ala	Glu	Leu	Phe	His	Val	Gly	Phe	Tyr	Asp	Trp	Phe	Asp
1				5					10					15	

Ala	Gln	Leu	Met	Asp
				20

<210> 634

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 634

Trp Ala Pro Pro Asp Ala Leu His Gly Gln Phe Tyr Arg Trp Phe Gln
 1 5 10 15

Arg Gln Leu Asp Gln
 20

<210> 635

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 635

Ala Val His Ala Ala Thr Phe His Asp Asp Phe Tyr Arg Trp Phe Glu
 1 5 10 15

Gln Val Val Gly Ser
 20

<210> 636

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 636

Phe Asp Ala Val His Gly Phe Asp Gly Gly Phe Tyr Gly Trp Phe Lys
 1 5 10 15

Arg Glu Leu Gln Arg
 20

<210> 637

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 637

Gln Ala Gly Gly Met Glu Phe His Gly Ala Phe Tyr Asn Trp Phe Leu
 1 5 10 15

Gln Gln Leu Ser Gly
 20

<210> 638
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 638
 Gly Arg Ser Val Ser Arg Met Asn Ala Glu Phe Tyr Gln Trp Phe Gly
 1 5 10 15
 His Gln Leu Ala Ala
 20

<210> 639
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 639
 Ala Ala Val Asn Ser Leu Phe His Asp Glu Phe Tyr Leu Trp Phe Gln
 1 5 10 15
 Asp Gln Leu Asp Gly
 20

<210> 640
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 640
 Gln Leu Gly Met Asp Trp Phe His Ala Asp Phe Tyr Glu Trp Phe Leu
 1 5 10 15
 Ala Gln Leu Pro Ser
 20

<210> 641
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 641

Arg	Leu	Ala	Gly	Ser	Gly	Ile	His	Glu	Gly	Phe	Tyr	Gly	Trp	Phe	Val
1				5					10					15	

Asp	Gln	Leu	Leu	Ala
			20	

<210> 642

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 642

Gly	Arg	Glu	Ile	Gly	Gly	Val	His	Asp	Gly	Phe	Tyr	Asp	Trp	Phe	Arg
1				5					10					15	

Gln	Gln	Ser	Glu	Gln
			20	

<210> 643

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 643

Val	Arg	Ser	Glu	Gln	Arg	Phe	Asp	Ser	Ser	Phe	Tyr	Gln	Trp	Phe	Asn
1				5					10					15	

Asp	Leu	Leu	Met	Ser
			20	

<210> 644

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 644

Gln	Ser	Pro	Tyr	Gly	Phe	Phe	His	Asp	Gly	Phe	Tyr	Arg	Trp	Phe	Leu
1				5					10					15	

Gln Gln Thr Gly Met
20

<210> 645
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 645
Phe Gln Cys Gly Ala Ala Phe His Val Asp Phe Tyr Arg Trp Phe Thr
1 5 10 15

Cys Gln Glu Gln Phe
20

<210> 646
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 646
Gly Ala Phe Gly Ser Glu Phe His Glu Gln Phe Tyr Arg Trp Phe Glu
1 5 10 15

Asp Ala Leu Ser Phe
20

<210> 647
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 647
Glu His Thr Ser Tyr Gln Ile His Arg Gln Phe Tyr Glu Trp Phe Asp
1 5 10 15

Arg Ala Leu Gly Arg
20

<210> 648

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 648

Ser Gly Thr Ala Ala Asp Leu His Ser Arg Phe Tyr Gly Trp Phe Ala
1 5 10 15

Leu Gln Ala Arg Glu
20

<210> 649

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 649

Glu Gly Phe Gly Val Leu Phe His Gly Gln Phe Tyr Arg Trp Phe Gln
1 5 10 15

Leu Gln Leu Asp Gly
20

<210> 650

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 650

Gln Gln Ser Ala Gly His Pro His Ser Ser Phe Tyr Leu Trp Phe Ser
1 5 10 15

Glu Leu Leu Gly Ala
20

<210> 651

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

196/813

<223> Description of Artificial Sequence: synthetic
peptide

<400> 651

Tyr	Leu	Gln	Arg	Ala	Gly	Phe	His	Arg	Ser	Phe	Tyr	Gly	Trp	Phe	Asp
1				5					10					15	

Gln Ala Leu Arg Asp
20

<210> 652

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 652

Met	Trp	Leu	Trp	Ala	Thr	Leu	His	Ser	Asp	Phe	Tyr	Ser	Trp	Phe	Glu
1				5					10					15	

Gln Val Val Ser Gly
20

<210> 653

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 653

Gly	Ala	Asn	Ala	Leu	Gly	Phe	Lys	Asp	Arg	Phe	Tyr	Glu	Trp	Phe	Ala
1				5					10					15	

Ala Gln Leu Trp Asp
20

<210> 654

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 654

Gly	Ser	Gly	Leu	Tyr	Val	Phe	His	Trp	Gly	Phe	Tyr	Asp	Trp	Phe	Glu
1				5					10					15	

Gln Gln Met Gly Gly
20

<210> 655

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 655

Leu Asp Lys Gly Trp Gly Phe Asp Leu Gln Phe Tyr Arg Trp Phe Glu
1 5 10 15

Ala Ala Thr Arg Ala
20

<210> 656

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 656

Gln Arg Ser Ala Val Glu Phe His Ala Asp Phe Tyr Asp Trp Phe Leu
1 5 10 15

Arg Leu Leu Thr Pro
20

<210> 657

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 657

Asp Gln Arg Met Gly Ser Phe His Gly Glu Phe Tyr Arg Trp Phe Glu
1 5 10 15

Glu Thr Leu Leu Ser
20

<210> 658

<211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 658
 Gly Arg Phe Tyr Gly Trp Phe Gln Asp Ala Ile Asp Gln Leu Met Pro
 1 5 10 15
 Trp Gly Phe Asp Pro
 20

<210> 659
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 659
 Ile Gln Gly Trp Glu Pro Phe Tyr Gly Trp Phe Asp Asp Val Val Ala
 1 5 10 15
 Gln Met Phe Glu Glu
 20

<210> 660
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 660
 Arg Tyr Gly Arg Trp Gly Leu Ala Gln Gln Phe Tyr Asp Trp Phe Asp
 1 5 10 15
 Arg

<210> 661
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic

peptide

<400> 661

Arg	Gly	Arg	Leu	Gly	Ser	Leu	Ser	Thr	Gln	Phe	Tyr	Asn	Trp	Phe	Ala
1				5					10					15	

Glu

<210> 662

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 662

Ala	Ser	Ala	Tyr	Thr	Pro	Phe	Tyr	Gln	Trp	Phe	Ala	Asp	Val	Val	Ser
1				5					10					15	

Glu	Tyr	Met	Gln	Gln
			20	

<210> 663

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 663

Pro	Tyr	Arg	Met	Glu	Gly	Thr	Glu	Lys	Trp	Asn	Phe	Tyr	Asp	Trp	Phe
1				5					10					15	

Val	Ala	Gln	Leu	Gln
			20	

<210> 664

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 664

Ser	Ala	Val	His	Phe	Gln	Phe	Tyr	Lys	Trp	Phe	Asp	Asn	Leu	Leu	Pro
1				5					10					15	

Val Pro Leu Ser Ala
20

<210> 665
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 665
Val Pro Val Asn Lys Ser Phe Tyr Arg Trp Phe Gln Leu Val Leu Gly
1 5 10 15

Gly Ser Asp Asp Trp
20

<210> 666
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 666
Gln Ser Pro Arg Ala Ser Phe Tyr Gly Trp Phe Asp Asp Val Leu Arg
1 5 10 15

Ala Ala Gly Val Val
20

<210> 667
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 667
Thr Gly Phe Tyr Glu Trp Phe Tyr Glu Gln Leu His Ser Arg Met Leu
1 5 10 15

Pro Asn Pro Leu Asp
20

<210> 668
<211> 21

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 668
Arg Arg Gly Val Gly Gly Phe Tyr Gly Trp Phe Ser Gln Gln Leu Gln
1 5 10 15

Gly Met Gly Val Ala
20

<210> 669
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 669
Ser Ser Gln Asp Arg Arg Phe Tyr Arg Trp Phe Glu Gln Ala Ile Val
1 5 10 15

Gly Gly Arg Asp Gly
20

<210> 670
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 670
Thr Arg Gly Gln Leu Gly Phe Tyr Asn Trp Phe Gln Gln Ala Leu Ser
1 5 10 15

Thr Ser Gly Met Gly
20

<210> 671
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 671

Cys Ala Asp Leu Asn Ala Phe Tyr Gln Trp Phe Cys Gly Val Leu Asp
 1 5 10 15

Arg Gly Ser Asp His
 20

<210> 672

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 672

Thr Leu Ile Gln Asp Gln Phe Tyr Trp Trp Phe Ser Asp Leu Leu Ser
 1 5 10 15

Ala Glu Pro Gly Asp
 20

<210> 673

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 673

Ile Asp Gln Leu Asp Ala Phe Tyr Arg Trp Phe Asp Gly Val Met Leu
 1 5 10 15

Gly Met Gly Asp Pro
 20

<210> 674

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 674

Arg Gly Gly Gly Thr Phe Tyr Glu Trp Phe Glu Ser Ala Leu Arg Lys
 1 5 10 15

His Gly Ala Gly
 20

<210> 675
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 675

Arg Gly Leu Asp Gln Asp Phe Tyr Arg Trp Phe Gln Asn Leu Val Gly
1 5 10 15

Val Glu Tyr Asp Arg
20

<210> 676
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 676

Met Gln Gly His Arg Gly Phe Tyr Gly Trp Phe Ala Arg Val Leu Glu
1 5 10 15

Gln Asp Arg Gly Trp
20

<210> 677
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 677

Glu Arg Leu His Leu Arg Phe Tyr Glu Trp Phe Asp Thr Val Ile Gly
1 5 10 15

Gln Asp Gly Ser Asp
20

<210> 678
<211> 21
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 678

Met	His	Val	Gln	Ser	Asp	Phe	Tyr	His	Trp	Phe	Gln	Ser	Leu	Leu	Gly
1				5					10					15	

Gln	Gly	Gly	Pro	Asp
			20	

<210> 679

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 679

Thr	Met	Gly	Thr	Gln	Gly	Phe	Tyr	Arg	Trp	Phe	Gln	Asn	Val	Val	Lys
1				5					10					15	

Glu	His	Leu	Ser	Gly
			20	

<210> 680

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 680

Ile	Thr	His	Asn	Arg	Gly	Phe	Tyr	Ser	Trp	Phe	Leu	Asp	Val	Val	Gln
1				5					10					15	

Gly	Gly	Ala	Gly	Ala
			20	

<210> 681

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 681

Val	Arg	Arg	Asp	Ala	Gly	Phe	Tyr	Gln	Trp	Phe	Ala	Asp	Ile	Leu	Thr
1				5					10					15	

Gln	Leu	Asp	Phe	Glu
				20

<210> 682

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 682

Met	Gln	Leu	Gln	Asp	Glu	Phe	Tyr	Asn	Trp	Phe	Arg	Gly	Ile	Met	Leu
1				5					10					15	

Asn	Asp	Gly	Gln	Asp
				20

<210> 683

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 683

Gly	Ile	Arg	Ser	Ser	Gly	Phe	Tyr	Gln	Trp	Phe	Asp	Arg	Val	Leu	Ala
1				5					10					15	

Gly	Val	Gly	Asp	Gly
				20

<210> 684

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 684

Ala	Asn	Leu	Asn	Ser	Gln	Phe	Tyr	Ser	Trp	Phe	Ala	Ser	Val	Thr	Gly
1				5					10					15	

Glu	Ala	Ser	Pro	Ser
				20

<210> 685
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 685
 Gln Ser Pro Arg Ala Ser Phe Tyr Gly Trp Phe Asp Asp Val Leu Arg
 1 5 10 15
 Ala Ala Gly Val Val
 20

<210> 686
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 686
 Met Gln Arg Asn Gln Gly Phe Tyr Ser Trp Phe Asp Asp Leu Val Ser
 1 5 10 15
 Ser Thr Val Gly Val
 20

<210> 687
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 687
 Ala Ser Gly Phe Asp Pro Phe Tyr Ala Trp Phe Leu Glu Gln Leu Arg
 1 5 10 15
 Val Ala Asn Gly Ser
 20

<210> 688
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 688

Ser Gly Thr Pro Tyr Gly Phe Tyr Arg Trp Phe Gln Ser Ala Leu Ala
1 5 10 15

Ser Ala Thr Ser Gly
20

<210> 689

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 689

Gln Gly Val Glu Gly Gly Phe Tyr Glu Trp Phe Asp Arg Ala Met Gly
1 5 10 15

Asp Val Arg Pro Trp
20

<210> 690

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 690

Asp Asn Met Ser Gly Gly Phe Tyr Arg Trp Phe Ala Gln Val Val Ala
1 5 10 15

Asp Ser Gly Gly Asp
20

<210> 691

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 691

Arg Gly Thr Asp Asp Thr Phe Tyr Gly Trp Phe Asp Gln Leu Leu Gln
 1 5 10 15

Gly Trp Cys Asp Asp
 20

<210> 692
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 692
 Thr Val Asp His Thr Gln Phe Tyr Asp Trp Phe Ser Arg Val Leu Gly
 1 5 10 15

Glu Ser Gly Ser Ala
 20

<210> 693
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 693
 Gly Arg Gln Asp Arg Glu Phe Tyr Tyr Trp Phe Glu Leu Gln Ala Gly
 1 5 10 15

Gly Met Asp Gly Asp
 20

<210> 694
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 694
 Arg Leu Leu Leu Gly Gly Phe Tyr Glu Trp Phe Asp Gln Val Leu Lys
 1 5 10 15

Glu Thr Lys Glu Val
 20

<210> 695
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 695
 Gly Val Leu Ser Thr Gly Phe Tyr Glu Trp Phe Ala Leu Gln Leu His
 1 5 10 15
 Gly Leu Ala Ala Gly
 20

<210> 696
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 696
 Pro Ala Val Gly Gln Ser Phe Tyr Gly Trp Phe Glu Ala Val Leu Arg
 1 5 10 15
 Gly Ser Lys Ala Gly
 20

<210> 697
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 697
 Ser Asn Gly Ile Ser Gly Phe Tyr Glu Trp Phe Ala Ala Gln Val Gln
 1 5 10 15
 Thr Ser Asp Phe Gln
 20

<210> 698
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 698

Leu	Leu	Gly	Leu	Ser	Gln	Ala	Ala	Tyr	Ala	Asn	Phe	Tyr	Asp	Trp	Phe
1				5				10						15	

Val	Ser	Gln	Leu	Ala
			20	

<210> 699

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 699

Val	Pro	Asn	Ser	Trp	Met	Phe	Tyr	Asn	Trp	Phe	Ala	Glu	Gln	Ile	Glu
1				5				10						15	

Gly	Ser	Glu	Gly	Glu
			20	

<210> 700

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 700

Ala	Arg	Arg	Ala	Asp	Gly	Phe	Tyr	Asp	Trp	Phe	Arg	Glu	Gln	Val	Ser
1				5				10						15	

Gly	Ser	Ala	Val	Gln
			20	

<210> 701

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 701

Gly	Val	Val	Glu	Gly	Thr	Phe	Tyr	Glu	Trp	Phe	Asp	Arg	Leu	Leu	Gly
1				5				10						15	

Gly Val Gln Gly Asp
20

<210> 702
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 702
Ser His Leu Thr Asp Pro Phe Tyr Gln Trp Phe Val Asp Gln Leu Arg
1 5 10 15

Ala Gly Val Arg Gly
20

<210> 703
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 703
Arg Ser Asn Asp Asp Ala Phe Tyr Arg Trp Phe Ser Asn Ile Leu Gln
1 5 10 15

Val Asp Gly Gly Gly
20

<210> 704
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 704
Asp Ser Asp Gly Ala Gln Phe Tyr Ile Trp Phe Glu Asp Gln Leu Arg
1 5 10 15

Ser Ala Gly Trp Asp
20

<210> 705
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 705
Pro Gly Leu His Arg Ala Phe Tyr Gln Trp Phe Ala Glu Ala Val Arg
1 5 10 15

Ser Ala Asn Lys Glu
20

<210> 706
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 706
Ser Leu Gly Gln Gly Phe Tyr Asp Trp Phe Ala Ser Gln Val Gly
1 5 10 15

Gly Ala Asp Ile
20

<210> 707
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 707
Cys Gly Gln Thr Gln Ser Phe Tyr Gln Trp Phe Cys Glu Val Met Arg
1 5 10 15

Val Glu Ser Gly Asp
20

<210> 708
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 708

Ile Val Val Pro Gly Asp Thr Gln Gly Val Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Lys Gln Leu Gln
20

<210> 709

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 709

Arg Asp Val Ser Met Gly Ser Ala Ser Thr Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Gln Gln Leu Gly
20

<210> 710

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 710

Ser Gln Ala Gly Ser Ala Phe Tyr Ala Trp Phe Asp Gln Val Leu Arg
1 5 10 15

Thr Val His Ser Ala
20

<210> 711

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 711

Ser Asn Gly Ile Ser Gly Phe Tyr Glu Trp Phe Ala Ala Gln Val Gln
1 5 10 15

Thr Ser Asp Phe Gln
20

<210> 712
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 712
Arg Arg Asp Arg Gly Gly Leu Asp Val Phe Phe Tyr Gln Trp Phe Met
1 5 10 15

Asp

<210> 713
<211> 41
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 713
Arg Tyr Phe Pro Phe Gly Gly Phe Tyr Gly Asn Leu Asp Val Leu Arg
1 5 10 15

Trp Leu Arg Pro Tyr Val Ala Ser Pro Arg Trp Gly His Trp Arg Pro
20 25 30

Gly Gly Ser Leu Gly Lys Gln Pro Thr
35 40

<210> 714
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 714
Ala Glu Thr Pro Ala Gln Val Gly Trp Asn Arg Leu Trp Ser Val Trp
1 5 10 15

Pro Gly Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser
20 25 30

Glu Leu Leu Arg Glu Ser Gly Ala
 35 40

<210> 715

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 715

Arg His Leu Thr Asn Ala Glu Leu Gly Val Gln Ser Pro Glu Val Leu
 1 5 10 15

Ser Arg Leu Phe Pro Asp Gly Asp Ile Phe Tyr Arg Ala Leu Ser His
 20 25 30

Leu Val Arg Gly Met Gly Pro Pro
 35 40

<210> 716

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 716

Arg Gly Gly Met Asp Arg Gln Trp Leu Asp Val Gly Ala Arg His Arg
 1 5 10 15

Leu Glu Arg Arg Ser Val Gln Asp Asn Thr Asp Asp Phe Tyr Gly Gly
 20 25 30

Leu Arg Ile Leu Val Asp Gly Phe
 35 40

<210> 717

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 717

Gly Pro Pro Asp Ser Phe Asp Val Thr Glu Lys Gly Asp Met Ala Ile
 1 5 10 15

216/813

Leu Asn Val Arg Phe Asp Pro His Ser Leu Asp Phe Asn Asp Gln Thr
20 25 30

Phe Tyr Phe Leu Leu Asp Ser Leu
35 40

<210> 718

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 718

Gly Gly Thr Tyr Phe Arg Gly Gln Val Ala Gln Ser Asn Glu Ser Leu
1 5 10 15

Leu Arg Val Asn Phe Leu Gln Leu Leu Glu Ala Leu Ala Ala Ser Pro
20 25 30

Pro Arg Thr
35

<210> 719

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 719

Ala Pro Phe Asp Ala Arg Leu Ser Ala Pro Arg Phe Gln Trp Ser Pro
1 5 10 15

Arg Thr Trp Xaa Gln Ser Leu Ser Tyr Gly Glu Trp Ser Cys Gly Ser
20 25 30

Phe Tyr Asp Cys Leu Ser Ser Ile
35 40

<210> 720

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 720

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Met Gly Ser Ser Gln Phe Gln Asp Thr Arg Pro Ser Ser Gly Gln Ala
  1             5             10             15
Tyr Ser His Ser Leu Asp Ser Asp Gly Trp Gly Thr Ala Asn Trp Ile
          20             25             30
Phe Leu Arg Ala Leu Glu Gly Leu
          35             40
```

<210> 721

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 721

```
Ser Gly Ala Ala His Glu Gly Asn Gln Gly Arg Glu Arg Ser Thr His
  1             5             10             15
Leu Ala Ala Asn Ile Asn Asp His Leu Pro Gly Asp Ala Gly Ile Trp
          20             25             30
Leu Gly Tyr Ser Trp Leu Ser
          35
```

<210> 722

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 722

```
Asp Arg Ala Phe Tyr Asn Gly Leu Arg Asp Leu Val Gly Ala Val Tyr
  1             5             10             15
Gly Ala Trp Asp
          20
```

<210> 723

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 723

Phe Tyr Asp Ala Ile Asp Gln Leu Val Arg Gly Ser Ala Arg Ala Gly
 1 5 10 15

Gly Thr Arg Asp
 20

<210> 724

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 724

Arg Leu Phe Tyr Cys Gly Ile Gln Ala Leu Gly Ala Asn Leu Gly Tyr
 1 5 10 15

Ser Gly Cys Val
 20

<210> 725

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 725

Phe Tyr Ser Ala Leu Trp Gly Leu Cys Gly Val Thr Gly Cys Gly
 1 5 10 15

<210> 726

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 726

Arg Gly Gln Ser Asp Ala Phe Tyr Ser Gly Leu Trp Ala Leu Ile Gly
 1 5 10 15

Leu Ser Asp Gly
 20

<210> 727
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 727
Gly Phe Tyr Glu Leu Leu Gly Ala Leu Val Gly Glu Arg Val Arg Gly
1 5 10 15

Thr Gly Asn Ser
20

<210> 728
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 728
Glu Arg Thr Asp Pro Phe Tyr Lys Ala Leu Leu Ser Leu Leu Gly Gly
1 5 10 15

Asp Gly Ser Gly
20

<210> 729
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 729
Asp Val Gln Gly Asn Gly Ser Ser Gly Phe Tyr Asp Gly Ile Phe Gly
1 5 10 15

Leu Ala Trp Gly
20

<210> 730
<211> 20
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 730

Pro	Phe	Tyr	Val	Trp	Ile	Arg	Asp	Leu	Leu	Gly	Pro	Glu	Leu	Pro	His
1				5				10					15		

Thr	Arg	Gly	Asp
			20

<210> 731

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 731

Val	Leu	Val	Val	Gly	Gly	Pro	Leu	Asp	Pro	Phe	Tyr	Glu	Gly	Leu	His
1				5				10						15	

Arg	Leu	Ile	Ser
			20

<210> 732

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 732

Gly	Phe	Tyr	Arg	Leu	Leu	Asn	Glu	Leu	Val	Arg	Glu	Gly	Gly	Ala	Leu
1				5				10						15	

Lys	Val	Gly	Ala
			20

<210> 733

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 733

Gly Gln Arg Gly Phe Tyr Glu Leu Leu Ser Glu Leu Leu Gly His Glu
 1 5 10 15

Gly Gly Val Phe
 20

<210> 734

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 734

Asp Trp Val Ser Gly Pro Phe Tyr Arg Gly Ile Glu Leu Leu Ser Gly
 1 5 10 15

Phe Gln Ile Glu
 20

<210> 735

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 735

Gly Gly Ser Leu Phe Tyr Glu Gly Leu Leu Arg Leu Val Leu Gly Asp
 1 5 10 15

Ser Val Val Gly
 20

<210> 736

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 736

Leu Asn His Phe Tyr Ala Met Leu Ser Asp Leu Ser Gly Val Arg Asn
 1 5 10 15

Ile Phe Pro Gly
 20

<210> 737
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 737
Leu Ser Gly Phe Tyr Glu Gly Leu Phe Arg Leu Ala Arg Arg Asp Gly
1 5 10 15
Ser Gly Trp Gly
20

<210> 738
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 738
Phe Tyr Asp Val Leu Ser Ala Leu Val Gly Val Glu Leu Gly Glu Gln
1 5 10 15
Gly Asp Ala Ser
20

<210> 739
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 739
Gly Ala Gly Ser Phe Gly Arg Glu Gly Gly Phe Tyr Glu Ala Leu Met
1 5 10 15
Gln Leu Ala Gly
20

<210> 740
<211> 24
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 740

Asp	Asp	Glu	Phe	Tyr	Ser	Gln	Ile	Leu	Lys	Leu	Val	Asp	Gly	Ser	Arg
1					5				10					15	

Gly	Gly	Arg	Ser	Gly	Thr	Gln	Asn
			20				

<210> 741

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 741

Pro	Phe	Tyr	Met	Leu	Leu	Ser	Arg	Leu	Val	Gly	Gly	Val	Glu	Gln	Glu
1				5					10					15	

Gly	Gly	Leu
-----	-----	-----

<210> 742

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 742

Phe	Tyr	Asp	Ala	Ile	Asp	Gln	Leu	Val	Arg	Gly	Ser	Ala	Arg	Ala	Gly
1				5					10					15	

Gly	Thr	Arg	Asp
			20

<210> 743

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 743

Thr	Phe	Tyr	Ser	Cys	Leu	Ala	Ser	Leu	Leu	Thr	Gly	Thr	Pro	Gln	Pro
1				5					10					15	

Asn Arg Gly Pro Trp Glu Arg Cys Arg
 20 25

<210> 744

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 744

Phe Phe Tyr Asp Cys Leu Ala Ala Leu Leu Gln Gly Val Ala Arg Tyr
 1 5 10 15

His Asp Leu Cys Ala Val Glu Ile Thr
 20 25

<210> 745

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 745

Asp Arg Asp Phe Cys Arg Phe Tyr Glu Arg Leu Thr Ala Leu Val Gly
 1 5 10 15

Gly Gln Val Asp Gly Gly Trp Pro Cys
 20 25

<210> 746

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 746

Ser Ser Tyr Gly Cys Asp Gly Phe Tyr Leu Met Leu Phe Ser Leu Gly
 1 5 10 15

Leu Val Ala Ser Gln Glu Leu Glu Cys
 20 25

<210> 747
 <211> 25
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 747
 Gln Phe Tyr Gly Cys Leu Leu Asp Leu Ser Leu Gly Val Pro Ser Phe
 1 5 10 15
 Gly Trp Arg Arg Arg Cys Ile Thr Ala
 20 25

<210> 748
 <211> 25
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 748
 Phe Phe Tyr Arg Cys Leu Ser Arg Leu Leu Gly Gly Gln Leu Gly Ser
 1 5 10 15
 Arg Leu Gly Leu Ser Cys Ile Gly Asp
 20 25

<210> 749
 <211> 25
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 749
 Asp Leu Phe Tyr Cys Met Met Met Gln Leu Ala Thr Ala Gly Val Gly
 1 5 10 15
 Gly Ser Leu Gly Gly Pro Val Cys Gly
 20 25

<210> 750
 <211> 25
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 750

Cys Asp Phe Tyr Cys Ala Leu Ser Arg Leu Ser Gly Gln Pro Arg Asp
 1 5 10 15

Arg Met Pro Asn Tyr Pro Gly Thr Ser
 20 25

<210> 751

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 751

Gly Ser Ala Cys Asp Gly Phe Tyr Ala Cys Leu His Ala Leu Val Gln
 1 5 10 15

Gly Pro Gly Glu Trp
 20

<210> 752

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 752

Ala Glu Thr Pro Ala Gln Val Gly Trp Asn Arg Leu Trp Ser Val Trp
 1 5 10 15

Pro Gly Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser
 20 25 30

Glu Leu Leu Arg Glu Ser Gly Ala
 35 40

<210> 753

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 753

Ala Asn Leu Arg Leu Arg Xaa Val Gly Asn Arg Leu Xaa Ser Val Trp
1 5 10 15

Pro Gly Glu Gln Trp Asn Thr Val Asp Pro Xaa Tyr Gln Lys Leu Tyr
20 25 30

Glu Leu Val Arg Glu Ser Gly Ala
35 40

<210> 754

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 754

Ala Glu Thr Pro Ala Gln Val Gly Trp Asn Arg Leu Trp Ser Val Trp
1 5 10 15

Pro Gly Glu His Trp Asn Ile Val Asp Pro Phe Tyr His Lys Leu Ser
20 25 30

Glu Leu Leu Arg Glu Ser Gly Asp
35 40

<210> 755

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 755

Ala Glu Thr Pro Ala His Val Cys Xaa Thr Val Gly Gly Leu Phe Gly
1 5 10 15

Arg Val Asn Thr Trp Asn Thr Val Asp Pro Phe Tyr Ala Lys Leu Ser
20 25 30

Glu Leu Leu Arg Glu Ser Gly Ala
35 40

<210> 756
 <211> 41
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 756
 Gly Gln Asn Ser Gly Ser Ala Trp Asp Gly Ile Ser Leu Trp Ser Val
 1 5 10 15
 Trp Pro Gly Asp Val Trp Asn Pro Val Asp Pro Phe Tyr His Lys Leu
 20 25 30
 Ser Glu Leu Leu Arg Glu Ser Gly Ala
 35 40

<210> 757
 <211> 37
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 757
 Ala Glu Ala Pro Ala Gln Val Gly Trp Asn Leu Leu Gln Pro Gly Glu
 1 5 10 15
 His Trp Ile Thr Val Asp Pro Phe Tyr Asn Lys Leu Ser Glu Leu Leu
 20 25 30
 Arg Glu Ser Gly Ala
 35

<210> 758
 <211> 40
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<220>
 <223> Xaa represents a variable or unknown amino acid

<400> 758
 Ala Glu Thr Pro Ala Gln Val Gly Trp Asn Gly Leu Trp Ser Val Trp
 1 5 10 15
 Pro Gly Glu His Xaa Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser
 20 25 30

Glu Leu Leu Arg Glu Ser Asp Gly
 35 40

<210> 759

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide.

<400> 759

Ala Glu Thr Pro Ala Gln Val Gly Gln Asn Gly Leu Trp Ser Val Trp
 1 5 10 15

Pro Gly Glu His Trp Asn Thr Val Asp Pro Phe Tyr Gln Lys Leu Phe
 20 25 30

Glu Leu Leu Arg Glu Ser Gly Ala
 35 40

<210> 760

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 760

Ala Glu Thr Pro Ala Gln Val Gly Gln Asn Arg Leu Trp Ser Val Trp
 1 5 10 15

Pro Gly Glu Leu Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser
 20 25 30

Glu Leu Leu Arg Glu Ser Gly Ala
 35 40

<210> 761

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 761

Thr Xaa Gln Gly Glu Thr Pro Ala Gln Val Ser Leu Trp Pro Gly Glu
 1 5 10 15

His Trp Asn Thr Val Asp Pro Phe Tyr His Arg Leu Ser Glu Leu Leu
 20 25 30

Arg Glu Ser Gly Ala
 35

<210> 762

<211> 41

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 762

Gln Gly Glu Thr Pro Ala Gln Ile Gly Trp Asn Pro Leu Trp Ser Gly
 1 5 10 15

Trp Pro Gly Glu His Trp Asn Thr Leu Asp Pro Phe Tyr Arg Lys Leu
 20 25 30

Ser Glu Leu Leu Arg Glu Ser Gly Ala
 35 40

<210> 763

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 763

Val Asp Thr Pro Ala Gln Val Gly Trp Asn Arg Leu Trp Ser Val Gly
 1 5 10 15

Pro Gly Glu His Trp Tyr Thr Asp Asp Pro Phe Tyr His Xaa Leu Ser
 20 25 30

Glu Leu Leu Arg Glu Ser Gly Ala
 35 40

<210> 764

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 764

Ala	Glu	Thr	Ser	Ala	Gln	Val	Gly	Trp	Gln	Arg	Leu	Trp	Ser	Val	Trp
1				5				10					15		

Pro	Gly	Asp	His	Trp	Ser	Thr	Leu	Asp	Pro	Phe	Tyr	His	Lys	Leu	Ser
			20					25					30		

Glu	Leu	Leu	Arg	Glu	Ser	Gly	Ala
		35				40	

<210> 765

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 765

Xaa	Asn	Ser	Pro	Arg	Val	Gly	Trp	Asn	Gly	Leu	Trp	Ser	Val	Trp	Pro
1				5				10					15		

Gly	Glu	His	Trp	Asn	Thr	Trp	Asp	Pro	Phe	Tyr	Asn	Lys	Leu	Ser	Glu
			20					25					30		

Leu	Leu	Arg	Glu	Ser	Gly	Val
			35			

<210> 766

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 766

Ala	Glu	Thr	Pro	Ala	Gln	Ile	Gly	Trp	Asn	Arg	Leu	Gln	Ser	Val	Trp
1				5				10					15		

Pro	Gly	Glu	Tyr	Trp	Asn	Thr	Val	Asp	Pro	Phe	Tyr	Leu	Lys	Leu	Ser
			20					25					30		

Glu Leu Leu Arg Glu Ser Ser Pro
 35 40

<210> 767

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 767

Ala Asp Thr Pro Ala Gln Val Ser Gly Asn Arg Leu Gln Ser Val Trp
 1 5 10 15

Arg Gly Asp Pro Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser
 20 25 30

Glu Leu Leu Arg Glu Ser Gly Ala
 35 40

<210> 768

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 768

Ala Gly Thr Pro Ala Gln Val Gly Xaa Asn Arg Leu Trp Ser Val Trp
 1 5 10 15

Pro Gly Glu His Trp Asn Thr Val Asp Pro Phe Tyr Asn Lys Leu Ser
 20 25 30

Glu Leu Leu Arg Glu Ser Gly Ala
 35 40

<210> 769

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 769

Asp Xaa Gln Ala Trp Ser Val Trp Pro Gly Gln His Trp Asn Thr Ile
 1 5 10 15

Asp Pro Phe Tyr His Lys Leu Ser Glu Leu Leu Arg Glu Ser Gly Ala
 20 25 30

<210> 770

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 770

Ala Glu Thr Leu Ala Arg Val Gly Trp Asn Arg Met Gln Ser Val Trp
 1 5 10 15

Pro Gly Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser
 20 25 30

Glu Leu Leu Arg Glu Ser Gly Ala
 35 40

<210> 771

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 771

Ala Ala Thr Arg Pro Gln Val Gly Trp Asn Arg Val Trp Ser Val Gln
 1 5 10 15

Pro Gly Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser
 20 25 30

Glu Leu Leu Arg Glu Ser Gly Ser
 35 40

<210> 772

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<400> 772

Leu Thr Thr Pro Ala Gln Val Gly Trp Asn Arg Leu Gln Ser Val Trp
 1 5 10 15

Pro Gly Glu His Trp Asn Ser Val Asp Pro Phe Tyr His Lys Leu Ser
 20 25 30

Glu Leu Leu Gly Glu Ser Gly Ala
 35 40

<210> 773

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 773

Ala Asp Asn Pro Ala Gln Val Gly Trp Asn Arg Leu Trp Ser Val Trp
 1 5 10 15

Pro Val Glu His Xaa Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser
 20 25 30

Glu Leu Leu Arg Glu Ser Gly Ala
 35 40

<210> 774

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 774

Ala Glu Thr Pro Ala Gln Val Gly Trp Asn Arg Leu Gln Ser Asp Trp
 1 5 10 15

Pro Gly Gly His Trp Asn Thr Leu Asp Pro Phe Tyr His Lys Leu Ser
 20 25 30

Glu Leu Leu Arg Glu Ser Gly Ala
 35 40

<210> 775

<211> 40
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 775
 Ala Glu Thr Ser Val Gln Val Gly Trp Ile Arg Leu Gln Ser Val Trp
 1 5 10 15
 Pro Gly Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser
 20 25 30
 Glu Leu Leu Arg Gly Ser Gly Ala
 35 40

<210> 776
 <211> 40
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<220>
 <223> Xaa represents a variable or unknown amino acid

<400> 776
 Gly Xaa Asn Ser Ala His Val Gly Trp Asn Arg Leu Trp Ser Phe Trp
 1 5 10 15
 Pro Gly Glu His Trp Asn Thr Val Asp Pro Phe Tyr Glu Lys Leu Ser
 20 25 30
 Glu Leu Leu Arg Val Ser Gly Gly
 35 40

<210> 777
 <211> 40
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<220>
 <223> Xaa represents a variable or unknown amino acid

<400> 777
 Ala Glu Thr Pro Ala Gln Val Gly Gly Asp Arg Leu Trp Ser Val Trp
 1 5 10 15

Pro Gly Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser
 20 25 30

Xaa Leu Leu Arg Glu Ser Gly Ala
 35 40

<210> 778

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 778

Ala Glu Xaa Pro Ala Gln Val Gly Trp Asn Arg Leu Trp Ser Val Trp
 1 5 10 15

Pro Gly Glu Xaa Trp Asn Thr Val Asp Pro Phe Tyr Leu Lys Leu Ser
 20 25 30

Glu Leu Leu Xaa Glu Ser Gly Ala
 35 40

<210> 779

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 779

Ala Glu Thr Xaa Ala Gln Val Gly Trp Asn Gly Xaa Trp Ser Val Trp
 1 5 10 15

Pro Gly Glu His Trp Asn Thr Val Asp Pro Phe Tyr Tyr Lys Leu Ser
 20 25 30

Glu Leu Leu Arg Glu Ser Gly Ala
 35 40

<210> 780

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 780

Ala Glu Thr Pro Ala Gln Val Gln Trp Asn Arg Leu Trp Ser Val Trp
1 5 10 15

Pro Lys Asp His Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser
20 25 30

Glu Leu Leu Arg Glu Ser Gly Ala
35 40

<210> 781

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 781

Ala Glu Thr Arg Ala Gln Val Gly Ser Asn Arg Val Trp Ser Val Trp
1 5 10 15

Pro Gly Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser
20 25 30

Glu Leu Leu Arg Glu Ser Gly Ala
35 40

<210> 782

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 782

Ala Glu Thr Pro Ala Gln Val Gly Trp Asn Arg Leu Trp Ser Val Gln
1 5 10 15

Pro Gly Ser Asp Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser
20 25 30

Glu Leu Leu Arg Glu Ser Gly Ala
35 40

<210> 783
 <211> 40
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 783
 Asp Glu Thr Ser Ala Gln Val Gly Trp Asn Arg Leu Trp Ser Asp Trp
 1 5 10 15
 Pro Gly Glu Gln Trp Asn Thr Leu Asp Pro Phe Tyr His Lys Leu Ser
 20 25 30
 Glu Leu Leu Arg Glu Ser Gly Ala
 35 40

<210> 784
 <211> 40
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 784
 Gly Glu Thr Pro Ala Gln Val Gly Trp Asn Arg Leu Trp Ser Val Trp
 1 5 10 15
 Pro Ala Glu His Trp Ser Thr Val Asp Pro Phe Tyr His Lys Leu Ser
 20 25 30
 Glu Leu Leu Arg Glu Ser Gly Ala
 35 40

<210> 785
 <211> 40
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 785
 Ala Glu Thr Ala Ala Gln Val Gly Trp Asn Arg Leu Gln Ser Val Trp
 1 5 10 15
 Pro Gly Glu His Trp Asn Ser Val Asp Pro Phe Tyr His Lys Leu Ser
 20 25 30
 Glu Leu Leu Arg Glu Ser Gly Ala

<210> 786
 <211> 40
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 786
 Ala Glu Ala Pro Asp Gln Val Gly Gln Asn Arg Leu Trp Ser Val Trp
 1 5 10 15
 Pro Gly Glu His Trp Asn Thr Val Asp Pro Phe Tyr Asp Lys Leu Ser
 20 25 30
 Glu Leu Leu Arg Glu Ser Gly Ala
 35 40

<210> 787
 <211> 40
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 787
 Pro Glu Thr Pro Ala Gln Val Gly Gly Asn Arg Leu Gln Ser Gly Trp
 1 5 10 15
 Pro Gly Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser
 20 25 30
 Glu Leu Leu Arg Glu Ser Gly Ala
 35 40

<210> 788
 <211> 41
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 788
 Ala Gln Thr Pro Ala Gln Val Gly Trp Asn Tyr Arg Leu Ser Ser Val
 1 5 10 15
 Trp Pro Gly Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu
 20 25 30

Ser Glu Leu Leu Arg Glu Ser Gly Ala
 35 40

<210> 789

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 789

Ala Glu Thr Pro Ala Gln Val Gly Trp Asn Arg Leu Trp Ser Val Gln
 1 5 10 15

Pro Gly Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser
 20 25 30

Glu Leu Leu Arg Gln Ser Asp Ala
 35 40

<210> 790

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 790

Ala Glu Thr Pro Ala Gln Val Gly Trp Asn Arg Leu Trp Ser Val Trp
 1 5 10 15

Pro Gly Glu His Xaa Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser
 20 25 30

Glu Leu Leu Arg Glu Ser Gly Ala
 35 40

<210> 791

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 791

Ala	Glu	Thr	Pro	Ala	Gln	Val	Gly	Trp	Asn	Ser	Leu	Gln	Ser	Val	Trp
1				5					10					15	

Pro	Gly	Glu	His	Trp	Asn	Thr	Xaa	Asp	Pro	Phe	Tyr	His	Lys	Leu	Ser
			20					25					30		

Glu	Leu	Leu	Arg	Glu	Ser	Gly	Ala
		35					40

<210> 792

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 792

Ala	Glu	Ser	Pro	Ala	Gln	Val	Gly	Ser	Asn	Arg	Leu	Gln	Ser	Val	Trp
1				5					10					15	

Ser	Gly	Glu	His	Trp	Asn	Thr	Val	Asp	Pro	Phe	Tyr	His	Lys	Leu	Ser
			20					25					30		

Glu	Leu	Leu	Arg	Glu	Ser	Gly	Ala
		35					40

<210> 793

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 793

Ala	Glu	Thr	Pro	Ala	Gln	Val	Gly	Gln	Tyr	Arg	Leu	Ser	Ser	Val	Trp
1				5					10					15	

Pro	Gly	Glu	His	Gly	Asn	Thr	Val	Asp	Pro	Phe	Tyr	His	Lys	Leu	Ser
			20					25					30		

Glu	Leu	Leu	Arg	Glu	Ser	Gly	Ala
		35					40

<210> 794

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 794

Ala	Glu	Thr	Pro	Ala	Gln	Val	Gly	Trp	Asn	Arg	Leu	Trp	Ser	Val	Trp
1				5				10					15		
Pro	Gly	Glu	His	Trp	Asn	Thr	Ile	Asp	Pro	Phe	Tyr	Xaa	Lys	Leu	Ser
			20					25					30		
Glu	Leu	Leu	Arg	Glu	Ser	Gly	Ala								
			35				40								

<210> 795

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 795

Asp	Glu	Thr	Pro	Ala	His	Val	Gly	Trp	Asn	Arg	Pro	Gln	Ser	Ala	Trp
1				5				10					15		
Pro	Gly	Glu	Arg	Trp	Asn	Thr	Val	Asp	Pro	Phe	Tyr	His	Lys	Leu	Ser
			20					25					30		
Glu	Leu	Leu	Arg	Glu	Ser	Gly	Ala								
			35				40								

<210> 796

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 796

Ala	Gly	Thr	Pro	Ala	Gln	Val	Gly	Trp	Asn	Arg	Leu	Arg	Ser	Val	Gln
1				5				10					15		
Pro	Asp	Glu	His	Trp	Asn	Thr	Val	Asp	Pro	Phe	Tyr	His	Lys	Leu	Ser
			20					25					30		

Glu Leu Leu Arg Glu Ser Gly Ala
 35 40

<210> 797
 <211> 40
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<220>
 <223> Xaa represents a variable or unknown amino acid

<400> 797
 Ala Glu Thr Pro Ala Gln Val Gly Trp Gln Arg Leu Trp Ser Val Trp
 1 5 10 15
 Pro Gly Glu His Trp Asn Pro Xaa Asp Pro Phe Tyr Arg Lys Leu Ser
 20 25 30

Glu Leu Leu Arg Glu Ser Gly Ala
 35 40

<210> 798
 <211> 40
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 798
 Ala Glu Thr Pro Ala Gln Val Gly Trp Asn Arg Leu Gln Ser Val Trp
 1 5 10 15
 Pro Gly Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser
 20 25 30

Glu Leu Leu Arg Glu Ser Gly Ala
 35 40

<210> 799
 <211> 40
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 799

Ala Glu Thr Pro Ala Gln Val Gly Trp Asn Arg Leu Trp Ser Val Trp
 1 5 10 15

Pro Gly Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser
 20 25 30

Glu Leu Leu Arg Glu Ser Gly Ala
 35 40

<210> 800

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 800

Ala Glu Thr Pro Ala Gln Val Gly Trp Asn Arg Leu Trp Ser Val Trp
 1 5 10 15

Pro Gly Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser
 20 25 30

Glu Leu Leu Arg Glu Ser Gly Ala
 35 40

<210> 801

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 801

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Xaa Xaa Xaa Xaa
 20 25

<210> 802

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<400> 802

Gly Gly Ala Val Ala Ala Ala Val Val Gly Ser Arg Ala Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Val Gln Gly Ser
 20 25

<210> 803

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 803

Ser Gly Gly Gly Gln Gln Arg Lys Ala Ile Ala Thr Ser Asp Asp Pro
 1 5 10 15

Phe Tyr His Lys Leu Ser Glu Leu Leu Leu Gly Gly
 20 25

<210> 804

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 804

Cys Ser Met Ala Ala Val Ala Glu Ala Gly Asp Asp Asp Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Cys Gln Gly Ser
 20 25

<210> 805

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 805

Cys Gly Ala Lys Met Thr Gly Thr Pro Asn Asp Pro Phe Tyr His Lys
 1 5 10 15

Leu Ser Glu Leu Leu Gln Arg Gly
20

<210> 806

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 806

Cys Cys Val Glu Ala Glu Glu Ala Val Gly Arg Arg Gly Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Thr Gly Cys Cys
20 25

<210> 807

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 807

Ser Arg Val Val Thr Met Val Ile Lys Arg Gly Ser Pro Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Val Gln Gly Arg
20 25

<210> 808

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 808

Gly Cys Ile Thr Ala Glu Asn Gly Ala Gly Asp Pro Phe Tyr His Lys
1 5 10 15

Leu Ser Glu Leu Gly Gly Cys Ser
20

<210> 809

<211> 28

<212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 809
 Arg Cys Gly Asp Glu Glu Gly Trp Gln Glu Asn Arg Arg Asp Asp Pro
 1 5 10 15

Phe Tyr His Lys Leu Ser Glu Leu Phe Gly Gly Cys
 20 25

<210> 810
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 810
 Gly Cys Glu Val Ile Ala Ala Glu Gly Arg Arg Asp Asp Pro Phe Tyr
 1 5 10 15

His Lys Leu Ser Glu Leu Cys Gln Gly Gly
 20 25

<210> 811
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 811
 Ser Ser Glu Thr Ala Lys Met Val Thr Gly Thr Arg Asp Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Val Gln Gly Ser
 20 25

<210> 812
 <211> 28
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 812

Trp Leu Cys Asp Gly Gly Trp Lys Gln Arg Arg Pro Pro Gly Asp Pro
 1 5 10 15

Phe Tyr His Lys Leu Ser Glu Leu Ile Asp Cys Gly
 20 25

<210> 813

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 813

Ser Arg Val Ala Ala Thr Lys Glu Lys Arg Pro Ser Asp Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Gln Gly Ser
 20 25

<210> 814

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 814

Ser Arg Ala Lys Val Glu Ala Glu Met Pro Asp Ser Gly Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Ala Ser Gly
 20 25

<210> 815

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 815

Gly Gly Ala Ala Lys Lys Thr Val Val Gly Ser Pro Asp Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Gln Gly Ser
 20 25

<210> 816
 <211> 28
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 816

Cys Gly Val Gly Glu Gln Met Glu Val Thr Asp Asp Gly Asp Asp Pro
 1 5 10 15

Phe Tyr His Lys Leu Ser Glu Leu Leu Trp Ser Cys
 20 25

<210> 817
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 817

Ser Gly Glu Gln Thr Ala Thr Ile Glu Gly Pro Ser Asn Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Ile Trp Gly Ser
 20 25

<210> 818
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 818

Gly Gly Thr Lys Ala Val Ala Lys Val Gly Thr Arg Asp Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Gln Gly Ser
 20 25

<210> 819
 <211> 26
 <212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 819

Gly Cys Glu Val Ile Val Glu Glu Gly Asp Ser Ala Asp Pro Phe Tyr
1 5 10 15

His Lys Leu Ser Glu Leu Cys Gln Gly Ser
20 25

<210> 820

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 820

Gly Cys Ala Val Val Glu Glu Ala Glu Arg Ser Arg Gly Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Ile Gln Gly Cys
20 25

<210> 821

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 821

Gly Arg Thr Met Ala Val Met Ala Ala Gly Gly Pro Asp Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Val Gln Gly Gly
20 25

<210> 822

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 822

Gly Cys Val Val Glu Trp Gln Lys Trp His Gly Ala Ser Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Gly Gly Cys Ser
 20 25

<210> 823

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 823

Arg Gly Lys Thr Ala Ala Val Ile Val Gly Arg Pro Ala Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Gln Gly Gly
 20 25

<210> 824

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 824

Ser Gly Ala Lys Val Ile Val Val Thr Gly Asp Ser Gly Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Gln Gly Ser
 20 25

<210> 825

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 825

Arg Gly Ile Val Ala Met Val Glu Ala Thr Glu Val Gly Ser Asp His
 1 5 10 15

Asp Pro Phe Tyr His Lys Leu Ser Glu Leu Val Gln Gly Ser
 20 25 30

<210> 826
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 826
 Gly Cys Lys Met Glu Thr Glu Thr Gly Thr Ser Asp Asp Pro Phe
 1 5 10 15
 Tyr His Lys Leu Ser Glu Leu Cys Ser Gly Gly
 20 25

<210> 827
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 827
 Arg Gly Glu Val Ala Thr Met Glu Val Pro Ala Gly Gly Asp Pro Phe
 1 5 10 15
 Tyr His Lys Leu Ser Glu Leu Leu Trp Gly Ser
 20 25

<210> 828
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<220>
 <223> Xaa represents a variable or unknown amino acid

<400> 828
 Arg Cys Gly Arg Trp Xaa Ala Glu Met Gly Ala Gly Asp Asp Pro Phe
 1 5 10 15
 Tyr His Lys Leu Ser Glu Leu Val Cys Gly
 20 25

<210> 829

<211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 829
 Arg Cys Met Val Glu Thr Ile Ala Val Gly Ser Gly Asp Asp Pro Phe
 1 5 10 15
 Tyr His Lys Leu Ser Glu Leu Cys Gln Gly Gly
 20 25

<210> 830
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 830
 Trp Trp Gln Lys Lys Ser Gly Asp Gly Ala Ser Ala Ser Asp Pro Phe
 1 5 10 15
 Tyr His Lys Leu Ser Glu Leu Ile Trp Gly Ser
 20 25

<210> 831
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 831
 Arg Gly Met Lys Glu Glu Val Leu Val Gly Gly Ser Thr Asp Pro Phe
 1 5 10 15
 Tyr His Lys Leu Ser Glu Leu Leu Gln Gly Ser
 20 25

<210> 832
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic

peptide

<400> 832

Arg Cys Glu Glu Lys Gln Ala Glu Val Gly Pro Ser Ser Asp Pro Phe
 1 5 10 15

Tyr His Lys Met Ser Glu Leu Leu Gly Cys Arg
 20 25

<210> 833

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 833

Arg Gly Cys Asn Asp Asp Gly Gly Lys Gly Trp Ser Asp Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Ile Cys Gly Gly
 20 25

<210> 834

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 834

Cys Cys Thr Thr Glu Met Val Val Met Asp Ala Arg Asp Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Val Thr Gly Gly
 20 25

<210> 835

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 835

Gly Cys Lys Lys Val Glu Ala Lys Lys Gly Asn Asp Ala Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Gln Gly Cys
 20 25

<210> 836
 <211> 28
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 836
 Arg Ser Met Met Ala Lys Ala Ile Val Gly Gly Pro Gly Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Tyr Glu Leu Gln Phe Gly Ser Arg
 20 25

<210> 837
 <211> 23
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 837
 Cys Gly Gly Ala Val Pro Asp Gly Asp Asp Pro Phe Tyr His Lys Leu
 1 5 10 15

Ser Glu Leu Met Gln Gly Cys
 20

<210> 838
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 838
 Gly Cys Glu Glu Val Glu Ala Glu Thr Thr Gly His Arg Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Gln Gly Cys
 20 25

<210> 839
 <211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 839

Gly Cys Ala Glu Ile Glu Ile Ala Ala Gly Gly Gly Gly Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Gln Gly Cys
20 25

<210> 840

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 840

Gly Cys Ala Glu Val Lys Ala Val Lys Gly Ala Gly Asp Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Gln Gly Cys
20 25

<210> 841

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 841

Gly Cys Ala Ala Val Glu Thr Thr Thr Asn Gly Arg Asn Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Gln Gly Cys Arg
20 25

<210> 842

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 842

Cys Gly Glu Val Thr Gly Arg Ala Gly Asp Pro Phe Tyr His Lys Leu
 1 5 10 15

Ser Glu Leu Leu Gln Gly Cys
 20

<210> 843

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 843

Gly Cys Ala Met Val Glu Ala Thr Glu Gly Arg Arg His Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Ile Gln Gly Cys
 20 25

<210> 844

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 844

Gly Cys Thr Glu Val Val Gly Ser Gly Asp Asp Pro Phe Tyr His Lys
 1 5 10 15

Leu Ser Glu Leu Leu Gln Gly Cys
 20

<210> 845

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 845

Gly Gln Cys Ala Met Glu Glu Ile Ile Arg Gly Ala Asn Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Cys Glu Gly Gly
 20 25

<210> 846
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 846
 Gly Cys Ala Glu Ile Val Ile Glu Glu Gly Asp Asp Ser Asp Pro Phe
 1 5 10 15
 Tyr His Lys Leu Ser Glu Leu Leu Gln Gly Cys
 20 25

<210> 847
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 847
 Pro Gln Cys Ser Ser Ile Lys Ala Glu Gly Gly Ser Asp Asp Pro Phe
 1 5 10 15
 Tyr His Lys Leu Ser Glu Leu Leu Val Gly Cys
 20 25

<210> 848
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 848
 Gly Cys Ala Ala Val Val Ala Glu Ala Ser Gly Asp Asp Pro Phe Tyr
 1 5 10 15
 His Lys Leu Ser Glu Leu Leu Gln Gly Cys
 20 25

<210> 849
 <211> 28
 <212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 849

Arg Gly Val Glu Met Lys Ala Ile Val Val Gly Thr Pro Asn Asp Pro
1 5 10 15

Phe Tyr His Lys Leu Ser Glu Leu Ser Ser Gly Ser
20 25

<210> 850

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 850

Cys Ser Ala Val Lys Met Ala Glu Ala Gly Asp Pro Ser Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Cys Gln Gly Ser
20 25

<210> 851

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 851

Arg Gly Gly Asp Gly Asp Pro Phe Tyr His Lys Leu Phe Glu Leu Met
1 5 10 15

Gln Ser Ser

<210> 852

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 852

Trp Leu Cys Lys Arg Gln Thr His Asp Pro Asp Pro Phe Tyr His Lys
 1 5 10 15

Leu Ser Glu Leu Ala Gly Cys Arg
 20

<210> 853

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 853

Ser Ser Lys Val Val Lys Ala Thr Val Gly Thr Pro His Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Gln Gly Ser
 20 25

<210> 854

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 854

Gly Cys Ala Ala Ile Ala Val Ala Thr Gly Asn Asp Asn Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Gln Gly Cys Arg
 20 25

<210> 855

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 855

Gly Cys Ala Ala Val Val Lys Glu Thr His Asp Pro Pro Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu His Gly Cys
 20 25

<210> 856
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 856
 Ser Cys Ala Ala Glu Lys Glu Val Ala Gly Thr Ala Arg Asp Pro Phe
 1 5 10 15
 Tyr His Lys Leu Ser Glu Leu Met Gln Ser Ser
 20 25

<210> 857
 <211> 24
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 857
 Cys Ser Val Ala Val Gly Asp Ser Gly Asp Pro Phe Tyr His Lys Leu
 1 5 10 15
 Ser Glu Leu Leu Gln Gly Cys Arg
 20

<210> 858
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 858
 Trp Gln Arg Asn Lys Gln Gln Ile Ile Gly Thr Pro Asp Asp Pro Phe
 1 5 10 15
 Tyr His Lys Leu Ser Glu Leu Leu Glu Gly Ser
 20 25

<210> 859
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 859

Arg	Ser	Ala	Ala	Ala	Lys	Ala	Val	Ile	Gly	Ser	Pro	Asn	Asp	Pro	Phe
1					5				10					15	

Tyr	His	Lys	Leu	Ser	Glu	Leu	Ile	Gln	Gly	Gly
			20					25		

<210> 860

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 860

Trp	Leu	Cys	Asp	Arg	Asp	Gly	Arg	Asp	Glu	Gln	Pro	Trp	Asp	Pro	Phe
1				5					10					15	

Tyr	His	Lys	Leu	Ser	Glu	Leu	Val	Ser	Cys	Gly	Arg
			20					25			

<210> 861

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 861

Gly	Ser	Val	Ala	Ala	Ala	Lys	Lys	Thr	Gly	Ser	Ser	Asp	Asp	Pro	Phe
1					5				10					15	

Tyr	His	Lys	Leu	Phe	Glu	Leu	Leu	Gln	Gly	Ser
			20					25		

<210> 862

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 862

263/813

Gly Cys Ala Val Thr Thr Met Thr Met Arg Ser Pro Ala Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Cys Gln Gly Arg
20 25

<210> 863

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 863

Gly Cys Lys Val Asp Asp Glu Xaa Ala Arg Ser Ser Asp Pro Phe Tyr
1 5 10 15

His Lys Leu Ser Glu Leu Leu Lys Gly Cys Arg
20 25

<210> 864

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 864

Gly Cys Lys Ala Val Val Glu Val Lys Asp His Gly Asp Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Gln Gly Cys
20 25

<210> 865

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 865

Cys Ser Thr Val Thr Val Ser Gly Ser Asp Asp Pro Phe Tyr His Lys
1 5 10 15

Leu Ser Glu Leu Leu Gln Gly Cys
20

<210> 866
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 866
Arg Ser Val Thr Ala Lys Val Glu Val Gly Ser Asp Arg Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Gln Gly Ser
20 25

<210> 867
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 867
Gly Ser Arg Arg Gln Lys Ile Glu Val Gly Thr Pro Asn Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Gln Gly Gly
20 25

<210> 868
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 868
Leu Cys Asp Glu Lys Gln Arg Val Thr Gly Gly Thr Asn Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Thr Gly Gly Cys Arg
20 25

<210> 869
<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 869

Ser Cys Met Val Glu Gly Pro Asn Asp Asp Pro Phe Tyr His Lys Leu
1 5 10 15

Ser Glu Leu Leu Gln Gly Cys Arg
20

<210> 870

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 870

Gly Gly Ala Ala Val Val Val Ala Met Gly Gly Asn Asp Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Phe Glu Leu Met Gln Gly Gly
20 25

<210> 871

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 871

Gly Gly Val Ile Lys Ala Met Lys Ala Gly Gly Pro Asp Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Gln Gly Ser
20 25

<210> 872

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 872

Gly Cys Ile Ile Ala Glu Lys Val Val Gly Pro Pro Asp Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Asp Cys Gly
 20 25

<210> 873

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 873

Gly Cys Glu Lys Val Val Ala Val Ala Gly Asn Ala Gly Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Gln Gly Cys
 20 25

<210> 874

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 874

Gly Ser Val Met Thr Val Thr Glu Met Ala Gly Ala Asp Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Gln Gly Gly Arg
 20 25

<210> 875

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 875

Arg Gly Glu Ala Lys Glu Ala Lys Ile Gly Ser Ala Gly Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Met Gln Gly Ser Arg
 20 25

<210> 876
 <211> 28
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 876
 Gly Cys Glu Glu Val Val Val Met Ala Asn Ser Ser Ala Asp Pro Phe
 1 5 10 15
 Tyr His Lys Leu Ser Glu Leu Cys Gln Gly Ser Arg
 20 25

<210> 877
 <211> 28
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 877
 Gly Cys Ala Ala Val Val Val Thr Thr Gly Gly Asp Asn Asp Pro Phe
 1 5 10 15
 Tyr His Lys Leu Ser Glu Leu Leu Gln Gly Cys Arg
 20 25

<210> 878
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 878
 Ser Arg Thr Gly Glu Arg Gln Val Val Gly Ser His Ala Asp Pro Phe
 1 5 10 15
 Tyr His Lys Leu Ser Glu Leu Leu Leu Ser Ser
 20 25

<210> 879
 <211> 28
 <212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 879

Gly Cys Lys Glu Val Val Val Glu Thr Ala His Ala Asp Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Gln Gly Cys Arg
20 25

<210> 880

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 880

Arg Arg Ile Thr Ile Lys Val Lys Ala Gly Asp Asp Asp Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Trp Gly Gly
20 25

<210> 881

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 881

Trp Cys Asp Gln Lys Glu Thr Val Val Ser Asn Ser Asp Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Val Gly Cys Ser
20 25

<210> 882

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 882

Arg Cys Glu Glu Ile Thr Ile Gly Asp Gly Arg Ala Gly Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Gln Gly Cys
 20 25

<210> 883

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 883

Cys Ser Val Val Met Thr Glu Glu Lys Asn Asp Arg Asp Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Gln Gly Cys
 20 25

<210> 884

<211> 29

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 884

Gly Gly Glu Ala Arg Arg Arg Gln Gln Val Gly Thr Ala Asn Asp Pro
 1 5 10 15

Phe Tyr His Lys Leu Ser Glu Leu Ala Phe Gly Gly Arg
 20 25

<210> 885

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 885

Gly Cys Ala Val Thr Ala Ile Thr Ile Asn Gly Thr Ser Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Cys Gln Gly Ser
 20 25

<210> 886
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 886
 Gly Ser Lys Val Lys Ala Met Ala Val Gly Thr Ser Asp Asp Pro Phe
 1 5 10 15
 Tyr His Lys Leu Ser Glu Leu Val Gln Gly Arg
 20 25

<210> 887
 <211> 25
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 887
 Arg Cys Lys Gly Ile Lys Ala His Ser Asp Asn Asp Pro Phe Tyr His
 1 5 10 15
 Lys Leu Ser Glu Leu Cys Gln Gly Gly
 20 25

<210> 888
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<220>
 <223> Xaa represents a variable or unknown amino acid

<400> 888
 Arg Arg Val Ala Ala Val Ala Xaa Lys Asp Ala Thr Gly Asp Pro Phe
 1 5 10 15
 Tyr His Lys Leu Ser Glu Leu Leu Arg Ser Gly
 20 25

<210> 889

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 889

Arg	Ser	Thr	Met	Lys	Glu	Lys	Ile	Glu	Gly	Asp	Gly	Asn	Asp	Pro	Phe
1				5				10						15	

Tyr	His	Lys	Leu	Ser	Glu	Leu	Leu	Lys	Ser	Gly
			20					25		

<210> 890

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 890

Gly	Gly	Ala	Val	Ile	Val	Thr	Ala	Ala	Arg	Arg	Gly	Ser	Asp	Pro	Phe
1				5					10					15	

Tyr	His	Lys	Leu	Ser	Glu	Leu	Val	Gly	Arg	Gly
			20					25		

<210> 891

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 891

Ser	Arg	Glu	Ala	Val	Glu	Val	Thr	Met	Ala	Arg	Gly	Ser	Asp	Pro	Phe
1				5				10						15	

Tyr	His	Lys	Leu	Ser	Glu	Leu	Val	Trp	Gly	Ser
			20					25		

<210> 892

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 892

Arg	Ser	Thr	Thr	Met	Val	Lys	Ala	Val	Pro	Pro	Pro	Arg	Asp	Pro	Phe
1				5					10					15	

Tyr	His	Lys	Leu	Ser	Glu	Leu	Leu	Xaa	Gly	Gly
			20					25		

<210> 893

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide.

<400> 893

Gly	Arg	Thr	Glu	Glu	Val	Val	Val	Val	Gly	Thr	Arg	Arg	Asp	Pro	Phe
1				5					10					15	

Tyr	His	Lys	Leu	Ser	Glu	Leu	Leu	Ala	Ser	Gly
			20					25		

<210> 894

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 894

Arg	Arg	Met	Ala	Gly	Trp	Gln	Xaa	Thr	Ser	Ser	Ser	Asp	Pro	Phe	Tyr
1				5					10					15	

His	Lys	Leu	Ser	Glu	Leu	Val	Ser	Gly	Ser
				20				25	

<210> 895

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<400> 895

Ser Arg Lys Glu Val Thr Glu Met Val Gly Gly Pro Ser Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Met Gly Ser Gly
 20 25

<210> 896

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 896

Arg Gly Thr Ala Lys Gln Arg Lys Ser Ser Asp Pro Xaa Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Ile Tyr Gly Ser
 20 25

<210> 897

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 897

Gly Gly Val Val Ala Val Val Ala Ala Gly Arg Arg Asp Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Val Ser Gly Arg
 20 25

<210> 898

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 898

274/813

Ser Arg Gln Met Ala Met Val Glu Val Gly Asn Pro Gly Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Gly Ser
20 25

<210> 899

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 899

Arg Arg Val Thr Ala Val Ile Glu Val Asp Gly Ala Asp Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Xaa Glu Leu Leu Ser Gly Gly
20 25

<210> 900

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 900

Arg Ser Val Ile Ala Asn Xaa Xaa Xaa Gly Xaa Asn Ala Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Ile Ser Ser Gly
20 25

<210> 901

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

400> 901

275/813

Arg Gly Val Val Ile Glu Thr Thr Lys Asp Pro Gly Ala Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Phe Gly Arg
20 25

<210> 902

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 902

Arg Arg Thr Thr Val Met Glu Thr Val Gly Gly Arg Asp Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu His Arg Gly
20 25

<210> 903

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 903

Gly Arg Val Val Val Ala Ala Ala Val Arg Pro Asp Asp Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Val Ala Gly Arg
20 25

<210> 904

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 904

Arg Gly Val Ala Thr Val Val Val Ala Asn His His Ser Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Val Leu Arg Gly
20 25

<210> 905
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 905
 Arg Arg Lys Met Ala Thr Glu Ile Met Arg Ser Asp Ala Asp Pro Phe
 1 5 10 15
 Tyr His Lys Leu Ser Glu Leu Leu Gly Gly Ser
 20 25

<210> 906
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 906
 Gly Gly Lys Thr Ala Val Glu Val Thr Ser Pro Ala Ser Asp Pro Phe
 1 5 10 15
 Tyr His Lys Leu Ser Glu Leu Leu Leu Arg Gly
 20 25

<210> 907
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 907
 Arg Arg Glu Lys Lys Val Lys Val Thr Thr Thr Asp Asn Asp Pro Phe
 1 5 10 15
 Tyr His Lys Leu Ser Glu Leu Val Phe Gly Gly
 20 25

<210> 908
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 908

Ser	Ser	Ala	Ile	Ile	Met	Val	Ala	Ala	Asp	Arg	Ala	Asp	Asp	Pro	Phe
1					5				10					15	

Tyr	His	Lys	Leu	Ser	Glu	Leu	Leu	Trp	Gly	Ser
			20					25		

<210> 909

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 909

Arg	Arg	Glu	Val	Ala	Ile	Val	Ala	Ala	Gly	Ala	Gly	Gly	Asp	Pro	Phe
1				5					10					15	

Tyr	His	Lys	Leu	Ser	Glu	Leu	Leu	Ser	Arg	Gly
			20					25		

<210> 910

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 910

Arg	Arg	Met	Val	Met	Glu	Ala	Ala	Glu	Asn	His	Ala	Asp	Asp	Pro	Phe
1				5				10						15	

Tyr	His	Lys	Leu	Ser	Glu	Leu	Leu	Trp	Arg	Asp
			20					25		

<210> 911

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 911

Gly Arg Lys Met Glu Ile Val Ala Ile Arg Gly Ala His Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Xaa Gly Arg
 20 25

<210> 912

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 912

Cys Cys Ile Ala Met Val Glu Met Ala Ala Gly Gly Gly Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Ser Gly Arg
 20 25

<210> 913

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 913

Arg Gly Ala Gln Ser Pro Asp Pro Phe Tyr His Lys Leu Ser Glu Leu
 1 5 10 15

Ala Phe Gly Ser
 20

<210> 914

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 914

Arg Lys Thr Ala Met Val Val Ile Gly Asp Ala Ser Asp Pro Phe Tyr
 1 5 10 15

His Lys Leu Ser Glu Leu Ala Phe Gly Ser
 20 25

<210> 915
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<220>
 <223> Xaa represents a variable or unknown amino acid

<400> 915
 Gly Ser Val Ile Thr Lys Ala Met Lys Ala Asp Gly Asp Asp Pro Phe
 1 5 10 15
 Tyr His Lys Leu Ser Glu Leu Leu Xaa Gly Gly
 20 25

<210> 916
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 916
 Gly Gly Val Lys Ala Ala Ala Ala Glu Arg Asp Asp Ser Asp Pro Phe
 1 5 10 15
 Tyr His Lys Leu Ser Glu Leu Leu Phe Gly Ser
 20 25

<210> 917
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 917
 Cys Cys Glu Met Val Lys Thr Ile Glu His Gly Gly Asn Asp Pro Phe
 1 5 10 15
 Tyr His Lys Leu Ser Glu Leu Val Phe Gly Arg
 20 25

<210> 918
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 918
 Gly Gly Ala Lys Val Ala Val Val Val Asp His Gly Asp Asp Pro Phe
 1 5 10 15
 Tyr His Lys Leu Ser Glu Leu Leu Arg Gly Ser
 20 25

<210> 919
 <211> 28
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 919
 Arg Gly Lys Thr Lys Met Ala Met Ala Ala Gly Gly Asn Arg Asp Pro
 1 5 10 15
 Phe Tyr His Lys Leu Ser Glu Leu Ile Phe Gly Asn
 20 25

<210> 920
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 920
 Gly Gly Met Ala Thr Lys Ile Val Thr Ala Pro Gly His Asp Pro Phe
 1 5 10 15
 Tyr His Lys Leu Ser Glu Leu Leu Phe Gly Gly
 20 25

<210> 921
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 921

Ser Gly Glu Gly Glu Met Ala Met Pro Gly Pro Asp Asp Pro Phe Tyr
 1 5 10 15

His Lys Leu Ser Glu Leu Ile Gly Ser Arg Ala
 20 25

<210> 922

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 922

Gly Gly Met Ala Glu Val Val Val Val Gly Pro Pro Arg Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Val Gly Gly Gly
 20 25

<210> 923

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 923

Gly Gly Glu Val Lys Val Met Val Ala Asp Gly Ser Thr Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Gly Arg Thr
 20 25

<210> 924

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 924

Ser Cys Val Met Val Glu Thr Val Ala Gly Arg Asn Arg Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Val Gly Gly Cys
20 25

<210> 925

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 925

Arg Arg Trp Xaa Lys Val Pro Gly Ala Ala Asp Pro Phe Tyr His Lys
1 5 10 15

Leu Ser Glu Leu Leu Gly Arg Ser Ala
20 25

<210> 926

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 926

Gly Gly Val Glu Ala Thr Glu Val Glu His Ala Asp Gly Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Val Gly Arg Ser
20 25

<210> 927

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 927

Arg Gly Val Glu Val Ala Val Ile Thr His Gly Pro Pro Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Arg Gly Ala
20 25

<210> 928
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 928
 Ser Gly Thr Val Thr Val Ile Ala Met Ser Gly Thr Asp Asp Pro Phe
 1 5 10 15
 Tyr His Lys Leu Ser Glu Leu Leu Ser Arg Ser
 20 25

<210> 929
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 929
 Gly Arg Thr Ala Val Val Lys Glu Ala Ser Pro Ala His Asp Pro Phe
 1 5 10 15
 Tyr His Lys Leu Ser Glu Leu Leu Leu Arg Gly
 20 25

<210> 930
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 930
 Arg Gly Ala Ile Gly Asn Ala Ala Val Gly Asn Arg Ser Asp Pro Phe
 1 5 10 15
 Tyr His Lys Leu Ser Glu Leu Ile Ser Arg Gly
 20 25

<210> 931
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 931

Gly Gly Met Ile Lys Thr Ala Met Glu His Asp Thr Arg Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Arg Gly Gly
 20 25

<210> 932

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 932

Gly Cys Ala Glu Val Glu Glu Val Ala Gly Ala Gly His Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Cys Ala Gly Gly
 20 25

<210> 933

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 933

Ser Ser Val Val Val Val Glu Val Val Asp Ala Arg Arg Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Val Xaa Ser Gly
 20 25

<210> 934

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<400> 934

Gly Arg Lys Lys Ala Val Ala Thr Met Thr Asp Gly Gly Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Ile Leu Arg Ser
 20 25

<210> 935

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 935

Arg Gly Glu Thr Glu Met Ala Val Ala Asp Thr Asp Asp Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Gly Arg Gly
 20 25

<210> 936

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 936

Gly Gln Arg Asp Pro Phe Tyr His Lys Leu Ser Glu Leu Met Gly Arg
 1 5 10 15

Gly Ala

<210> 937

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 937

Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser Glu Leu
 1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 938
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 938
Glu His Trp Asn Thr Val Asp Pro Phe Tyr Phe Thr Leu Phe Glu Xaa
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 939
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 939
Glu His Trp Asn Thr Val Asp Pro Phe Tyr Asn Gln Leu Trp Glu Trp
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 940
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 940
Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Gln Leu Ser Glu Trp
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 941
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 941
 Glu His Trp Asn Thr Val Asp Pro Phe Tyr Gln Gln Leu Tyr Glu Trp
 1 5 10 15
 Leu Arg Glu Ser Gly
 20

<210> 942
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 942
 Glu His Trp Asn Thr Val Asp Pro Phe Tyr Arg Gln Leu Ser Glu Trp
 1 5 10 15
 Leu Arg Glu Ser Gly
 20

<210> 943
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 943
 Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Tyr Phe Gln Glu Leu
 1 5 10 15
 Leu Arg Glu Ser Gly
 20

<210> 944
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 944

Glu	His	Trp	Asn	Thr	Val	Asp	Pro	Phe	Tyr	His	Gln	Met	Tyr	Glu	Trp
1				5					10					15	

Leu Arg Glu Ser Gly
20

<210> 945

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 945

Glu	His	Trp	Asn	Thr	Val	Asp	Pro	Phe	Tyr	Arg	Gln	Leu	Tyr	Glu	Trp
1				5					10					15	

Leu Arg Glu Ser Gly
20

<210> 946

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 946

Glu	His	Trp	Asn	Thr	Val	Asp	Leu	Phe	Tyr	Tyr	Gly	Leu	Gln	Glu	Leu
1				5					10					15	

Leu Arg Glu Ser Gly
20

<210> 947

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 947

Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Xaa Ile Ser Glu Leu
 1 5 10 15

Leu Arg Glu Ser Gly
 20

<210> 948

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 948

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Gln Phe Phe Ala Glu Leu
 1 5 10 15

Leu Arg Glu Ser Gly
 20

<210> 949

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 949

Glu His Xaa Asn Thr Val Asp Pro Phe Tyr Glu Gly Leu Leu Glu Leu
 1 5 10 15

Leu Arg Glu Ser Gly
 20

<210> 950

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 950

Glu His Xaa Asn Thr Val Asp Pro Phe Tyr Gln Gly Leu Phe Glu Leu
 1 5 10 15

Leu Arg Glu Ser Gly
 20

<210> 951

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 951

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Gln Tyr Phe Ser Glu Leu
 1 5 10 15

Leu Arg Glu Ser Gly
 20

<210> 952

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 952

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Tyr Gly Leu Gln Thr Leu
 1 5 10 15

Leu Arg Glu Ser Gly
 20

<210> 953

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 953

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Gln Ala Leu Phe Glu Leu
 1 5 10 15

Leu Arg Glu Ser Gly
 20

<210> 954
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<220>
 <223> Xaa represents a variable or unknown amino acid

<400> 954
 Glu His Trp Asn Thr Val Asp Pro Phe Tyr Asp Xaa Met Arg Asn Leu
 1 5 10 15

Leu Arg Glu Ser Gly
 20

<210> 955
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 955
 Glu His Trp Asn Thr Val Asp Pro Phe Tyr Asn Leu Leu Gln Glu Leu
 1 5 10 15

Leu Arg Glu Ser Gly
 20

<210> 956
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 956
 Glu His Trp Asn Thr Val Asp Pro Phe Tyr Asp Gly Leu Arg Gln Leu
 1 5 10 15

Leu Arg Glu Ser Gly
 20

<210> 957

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 957

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Gly Lys Leu Gln Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 958

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 958

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Gln Gln Leu Phe Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 959

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 959

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Leu Met Leu Gln Gln Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 960

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 960

Glu	His	Xaa	Asn	Thr	Val	Asp	Pro	Phe	Tyr	His	Lys	Leu	Tyr	Glu	Leu
1				5					10					15	

Leu	Arg	Glu	Ser	Gly
				20

<210> 961

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 961

Glu	His	Trp	Asn	Thr	Val	Asp	Pro	Phe	Tyr	His	Xaa	Met	Ser	Asn	Leu
1				5					10					15	

Leu	Arg	Glu	Ser	Gly
				20

<210> 962

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 962

Glu	His	Trp	Asn	Thr	Val	Asp	Pro	Phe	Tyr	Tyr	Xaa	Met	Ser	Glu	Leu
1				5					10					15	

Leu	Arg	Glu	Ser	Gly
				20

<210> 963

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 963

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Gln Leu Leu Phe Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 964

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 964

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Gln Arg Met Phe Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 965

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 965

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Gln Gly Leu Trp Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 966

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 966

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Asp Xaa Ile Ser Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 967

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 967

Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Leu Leu Gln Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 968

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 968

Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Met Leu Gln Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 969

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 969

Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Xaa Met Ser Asp Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 970

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 970

Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Tyr Leu Gln Asp Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 971

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 971

Glu His Trp Asn Thr Val Asp Ser Phe Tyr Leu Gly Leu Gln Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 972

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 972

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Gln Gly Leu Ser Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 973
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 973
 Glu His Trp Asn Thr Val Asp Pro Phe Tyr Gln Ala Leu Gln Gln Leu
 1 5 10 15
 Leu Arg Glu Ser Gly
 20

<210> 974
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 974
 Glu His Trp Asn Thr Val Asp Pro Phe Tyr Leu Met Leu Gln Glu Leu
 1 5 10 15
 Leu Arg Glu Ser Gly
 20

<210> 975
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 975
 Glu His Trp Asn Thr Val Asp Pro Phe Tyr Leu Lys Met Gln Asp Leu
 1 5 10 15
 Leu Arg Glu Ser Gly
 20

<210> 976
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 976

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Gln Lys Leu Gln Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 977

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 977

Glu His Trp Asn Thr Ile Asp Pro Phe Tyr His Gln Ile Ser Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 978

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 978

Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Xaa Met Thr Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 979

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<400> 979

Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Tyr Met Ser Gln Leu
 1 5 10 15

Leu Arg Glu Ser Gly
 20

<210> 980

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 980

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Gln Gly Leu Phe Glu Leu
 1 5 10 15

Leu Arg Glu Ser Gly
 20

<210> 981

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 981

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Ala Lys Leu Gln Glu Leu
 1 5 10 15

Leu Arg Glu Ser Gly
 20

<210> 982

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 982

Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Xaa Met Arg Glu Leu
 1 5 10 15

Leu Arg Glu Ser Gly
 20

<210> 983

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 983

Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Gly Leu Xaa Glu Leu
 1 5 10 15

Leu Arg Glu Ser Gly
 20

<210> 984

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 984

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Leu Gly Leu Gln Glu Leu
 1 5 10 15

Leu Arg Glu Ser Gly
 20

<210> 985

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 985

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Asp Xaa Ile Ala Asp Leu
 1 5 10 15

Leu Arg Glu Ser Gly
 20

<210> 986

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 986

Glu His Xaa Asn Thr Val Asp Pro Phe Tyr His Gly Leu Tyr Glu Leu
 1 5 10 15

Leu Arg Glu Ser Gly
 20

<210> 987

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 987

Glu His Trp Asn Thr Val Asp Ala Phe Tyr His Gly Leu Gln Glu Leu
 1 5 10 15

Leu Arg Glu Ser Gly
 20

<210> 988

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 988

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Gln Gly Leu Ile Glu Leu
 1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 989
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 989
Glu His Trp Asn Thr Val Asp Pro Phe Tyr Asn Xaa Met Arg Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 990
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 990
Glu His Trp Asn Thr Val Asp Pro Phe Tyr Gln Gly Leu Leu Asp Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 991
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 991
Glu His Trp Asn Thr Val Asp Pro Phe Tyr Gln Lys Leu Gln Asp Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 992
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 992
 Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Gly Leu Gln Glu Leu
 1 5 10 15
 Leu Arg Glu Ser Gly
 20

<210> 993
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<220>
 <223> Xaa represents a variable or unknown amino acid

<400> 993
 Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Xaa Met Ser Glu Leu
 1 5 10 15
 Leu Arg Glu Ser Gly
 20

<210> 994
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 994
 Glu His Trp Asn Thr Val Asp Pro Phe Tyr Ala Gly Leu Gln Ala Leu
 1 5 10 15
 Leu Arg Glu Ser Gly
 20

<210> 995
 <211> 21

<212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 995
 Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Met Leu Gln Lys Leu
 1 5 10 15

Leu Arg Glu Ser Gly
 20

<210> 996
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 996
 Glu His Trp Asn Thr Val Asp Pro Phe Tyr Gln Lys Leu Phe Glu Leu
 1 5 10 15

Leu Arg Glu Ser Gly
 20

<210> 997
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<220>
 <223> Xaa represents a variable or unknown amino acid

<400> 997
 Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Xaa Leu Ala Glu Leu
 1 5 10 15

Leu Arg Glu Ser Gly
 20

<210> 998
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 998

Glu	His	Trp	Asn	Thr	Val	Asp	Pro	Phe	Tyr	His	Xaa	Leu	Asn	Glu	Leu
1				5					10					15	

Leu	Arg	Glu	Ser	Gly
				20

<210> 999

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 999

Glu	His	Trp	Asn	Thr	Val	Asp	Pro	Phe	Tyr	His	Lys	Leu	Gln	Glu	Leu
1				5					10					15	

Leu	Arg	Glu	Ser	Gly
				20

<210> 1000

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1000

Glu	His	Trp	Asn	Thr	Val	Asp	Pro	Phe	Tyr	Arg	Arg	Leu	Gln	Glu	Leu
1				5					10					15	

Leu	Arg	Glu	Ser	Gly
				20

<210> 1001

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1001

Glu	His	Trp	Asn	Thr	Val	Asp	Pro	Phe	Tyr	His	Lys	Leu	Ser	Glu	Leu
1				5					10					15	

Leu Arg Glu Ser Gly Ala
20

<210> 1002

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1002

Glu	His	Trp	Asn	Thr	Val	Asp	Pro	Phe	Tyr	Leu	Lys	Met	Thr	Glu	Leu
1				5					10					15	

Leu Arg Glu Ser Gly Ala
20

<210> 1003

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1003

Glu	His	Trp	Asn	Thr	Val	Asp	Pro	Phe	Tyr	His	Lys	Leu	Glu	Glu	Leu
1				5					10					15	

Leu Arg Glu Ser Gly Ala
20

<210> 1004

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1004

Glu	His	Trp	Asn	Thr	Val	Asp	Pro	Phe	Tyr	His	Lys	Leu	Tyr	Glu	Leu
1				5					10					15	

Leu Arg Glu Ser Gly Ala
20

<210> 1005
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1005
Glu His Trp Asn Thr Val Asp Pro Phe Tyr Gln Lys Leu Ser Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly Ala
20

<210> 1006
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 1006
Glu His Trp Xaa Thr Val Asp Pro Phe Tyr Leu Lys Leu Ser Glu Leu
1 5 10 15

Leu Xaa Glu Ser Gly Ala
20

<210> 1007
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1007
Glu His Trp Asn Thr Val Asp Pro Phe Tyr Gln Arg Leu Phe Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly Ala
20

<210> 1008
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1008
Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Gly Leu Gln Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly Ala
20

<210> 1009
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1009
Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Arg Leu Ser Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly Ala
20

<210> 1010
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1010
Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Asn Leu Tyr Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly Ala
20

<210> 1011
<211> 22
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1011

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Asn Lys Leu Ser Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly Ala
20

<210> 1012

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1012

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Gln Lys Leu Ser Glu Leu
1 5 10 15

Leu Arg Glu Ser Ser Ala
20

<210> 1013

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1013

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Ala Lys Leu Ser Ala Leu
1 5 10 15

Leu Arg Glu Ser Gly Ala
20

<210> 1014

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1014

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Ala Arg Leu Ser Ala Leu
1 5 10 15

Leu Arg Glu Ser Gly Ala
20

<210> 1015

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1015

Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Ile Leu Ala Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly Ala
20

<210> 1016

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1016

Glu His Trp Asn Thr Val Glu Pro Xaa Tyr His Lys Leu Cys Gly Arg
1 5 10 15

Leu Arg Glu Ser Gly Ala
20

<210> 1017

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1017

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Asp Arg Leu Thr Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly Ala
20

<210> 1018
 <211> 22
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<220>
 <223> Xaa represents a variable or unknown amino acid

<400> 1018
 Glu His Trp Asn Thr Val Asp Pro Phe Xaa Pro Lys Val Ser Glu Leu
 1 5 10 15

Leu Arg Glu Ser Gly Ala
 20

<210> 1019
 <211> 22
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<220>
 <223> Xaa represents a variable or unknown amino acid

<400> 1019
 Glu His Trp Asn Thr Val Glu Pro Phe Gly Ala Xaa Leu Ala Glu Pro
 1 5 10 15

Leu Arg Glu Ser Gly Ala
 20

<210> 1020
 <211> 22
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1020
 Glu Arg Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser Glu Leu
 1 5 10 15

Leu Arg Glu Ser Gly Ala
 20

<210> 1021

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1021

Glu His Trp Asn Thr Val Asp Gln Phe Tyr Gln Ala Leu Phe Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly Ala
20

<210> 1022

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1022

Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ala Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly Ala
20

<210> 1023

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1023

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Asp Lys Leu Ser Asp Leu
1 5 10 15

Leu Arg Glu Ser Gly Ala
20

<210> 1024

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1024

Glu Tyr Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ala Glu Leu
 1 5 10 15

Leu Arg Glu Ser Gly Ala
 20

<210> 1025

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1025

Glu His Trp Asn Thr Val Arg Pro Arg Tyr Gln Xaa Leu Ser Glu Leu
 1 5 10 15

Leu Arg Glu Ser Gly Ala
 20

<210> 1026

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1026

Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Gln Glu Leu
 1 5 10 15

Leu Arg Glu Ser Gly Ala
 20

<210> 1027

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1027

Glu	His	Trp	Asn	Thr	Val	Ala	Thr	Phe	Xaa	Asp	Lys	Val	Thr	Asp	Leu
1				5					10					15	

Leu	Arg	Glu	Ser	Gly	Ala
				20	

<210> 1028

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1028

Glu	His	Trp	Asn	Thr	Val	Asp	Pro	Phe	Leu	Asp	Lys	Arg	Ser	Xaa	Leu
1				5					10					15	

Leu	Arg	Glu	Ser	Gly	Ala
				20	

<210> 1029

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1029

Glu	His	Trp	Asn	Thr	Val	Gly	Ala	Phe	Gln	Pro	Thr	Pro	Glu	Tyr	Leu
1				5					10					15	

Leu	Arg	Glu	Ser	Gly	Ala
				20	

<210> 1030

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1030

Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Phe	Tyr	Asp	Ala	Ile	Asp	Gln	Leu	Val	Xaa
1				5					10					15	

Xaa	Xaa	Xaa	Xaa	Xaa
				20

<210> 1031

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1031

Phe	Tyr	Asp	Ala	Ile	Asp	Gln	Leu	Val	Arg	Gly	Ser	Ala	Arg	Ala	Gly
1				5					10					15	

Gly	Thr	Arg	Asp
			20

<210> 1032

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1032

Pro	Pro	Trp	Gly	Ala	Arg	Phe	Tyr	Asp	Ala	Ile	Glu	Gln	Leu	Val	Phe
1				5					10					15	

Asp	Asn	Leu	Cys	Cys
				20

<210> 1033

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1033

Ile Gly Arg Val Arg Ser Phe Tyr Asp Ala Ile Asp Lys Leu Phe Gln
 1 5 10 15

Ser Asp Trp Glu Arg
 20

<210> 1034

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1034

Arg Asp Ala Gly Ser Ser Phe Tyr Asp Ala Ile Asp Gln Leu Val Cys
 1 5 10 15

Leu Thr Tyr Phe Cys
 20

<210> 1035

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1035

Met Pro Met Gly Leu Asn Phe Tyr Asp Gly Ile Glu Gln Leu Val Arg
 1 5 10 15

Glu Trp Gly Gly Asp
 20

<210> 1036

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1036

Thr Ile Ser Ala His Thr Phe Tyr Glu Ala Ile Tyr Gln Leu Ile Glu
 1 5 10 15

Gly Ile Asp Pro Leu
 20

<210> 1037

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1037

Ser Pro Trp Gly Arg Ala Phe Tyr Asp Ala Leu Asp Gln Leu Met Gly
1 5 10 15

Gly Ala Glu Arg Gly
20

<210> 1038

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1038

Leu Ser Pro Pro Arg Asp Phe Tyr Asp Ala Ile Gln Gln Leu Val Arg
1 5 10 15

Asp Gly Gly Trp Gly
20

<210> 1039

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1039

His Gly Val Pro Arg Thr Phe Tyr Asp Ala Ile Asp Gln Leu Val Trp
1 5 10 15

Gly Ile Glu Val Gly
20

<210> 1040

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1040

Gly	Gly	Thr	Asp	Gln	Leu	Phe	Tyr	Gly	Ala	Ile	Asp	Gln	Leu	Val	Gly
1				5				10					15		

Gly	Thr	Trp	Trp	Arg
				20

<210> 1041

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1041

Leu	Ser	Val	His	Gln	Ser	Phe	Tyr	Asp	Ala	Ile	Asn	Glu	Leu	Ile	Phe
1				5				10					15		

Ser	Gly	Leu	Glu	Ala
				20

<210> 1042

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1042

Gly	Asp	Ala	Arg	Asp	Pro	Phe	Tyr	Asp	Ala	Met	Glu	Gln	Leu	Val	Tyr
1				5				10					15		

Gly	Glu	Leu	Gly	Gly
				20

<210> 1043

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1043

Val	Ala	Ser	Pro	Arg	Ser	Phe	Tyr	Glu	Ala	Ile	Ala	Gln	Leu	Val	Phe
1				5				10					15		

Asn Leu Gly Gln Glu
20

<210> 1044
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1044
Arg Lys Pro Cys Gln Thr Phe Tyr Asp Cys Ile Leu Asp Leu Val Val
1 5 10 15

Thr Asp Val Asp Val
20

<210> 1045
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1045
Leu Leu Ser Arg Trp Thr Phe Tyr Asp Ala Ile Glu Gln Leu Val Gly
1 5 10 15

Gly Gly Ala Asp Gly
20

<210> 1046
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1046
Pro Ala Gly Cys Gln Gly Phe Tyr Glu Ala Ile Glu Gln Leu Val Thr
1 5 10 15

Gly Gly Glu Cys Gly
20

<210> 1047

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1047

Ala	Val	Phe	Pro	Arg	Thr	Phe	Tyr	Glu	Ala	Ile	Asp	Gln	Leu	Val	Gly
1				5				10					15		

Val	Ser	Leu	Leu	Gly
			20	

<210> 1048

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1048

Ala	Pro	Ile	Pro	Phe	Ser	Phe	Tyr	Asp	Ala	Ile	Val	Gln	Leu	Val	Met
1				5				10					15		

Gln	Gly	Asp	His	Glu
			20	

<210> 1049

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1049

Gln	Cys	Asn	Pro	Arg	Thr	Phe	Tyr	Glu	Ala	Ile	Ala	Gln	Leu	Val	Thr
1				5				10					15		

Gly	Cys	Asp	Val	Ser
			20	

<210> 1050

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1050

Val Ser Thr Ser Gly Ser Phe Tyr Asp Ala Ile Gln Gln Leu Leu Glu
 1 5 10 15

Asp Ser Trp Gly Trp
 20

<210> 1051

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1051

His His Ser Ala Phe Ser Phe Tyr Asp Ala Ile Ala Gln Leu Val Gly
 1 5 10 15

Val Pro Trp Glu Glu
 20

<210> 1052

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1052

Phe Thr Tyr Val His Ser Phe Tyr Asp Ala Ile Glu Gln Leu Val Arg
 1 5 10 15

Gly Glu Gly Gly Gly
 20

<210> 1053

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1053

Gln Gly Asn Ala Gln Asn Phe Tyr Asp Ala Ile Asp Gln Leu Cys Phe
 1 5 10 15

Gly Cys Leu Gly Gly
20

<210> 1054
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1054
Ser Ser Glu Gly Trp Thr Phe Tyr Asp Ala Ile Asp Gln Leu Val Gly
1 5 10 15

Arg Glu Arg Gly Trp
20

<210> 1055
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1055
Pro Asp Gly Cys Ala Thr Phe Tyr His Ala Ile Gln Gln Leu Val Thr
1 5 10 15

Gly Phe Pro Cys Val
20

<210> 1056
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1056
Arg Gly Pro Pro Met Thr Phe Tyr Asp Ala Ile Ala Gln Leu Val Ala
1 5 10 15

Gln Ser Ala Asp Gly
20

<210> 1057

<211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1057
 Arg Ser Ser Cys Gln Ser Phe Tyr Asp Ala Ile Glu Arg Leu Val Leu
 1 5 10 15

Gly Gly Thr Cys Gly
 20

<210> 1058
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1058
 Val Ser Arg Lys Phe Ser Phe Tyr Asp Ala Ile Gln Gln Leu Val Arg
 1 5 10 15

Gly Asp Ala Gly Val
 20

<210> 1059
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1059
 Phe Gln Arg Thr Trp Ser Phe Tyr Asp Ala Ile Asn Gln Leu Val Met
 1 5 10 15

Glu Gly Ser Gly Asp
 20

<210> 1060
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic

peptide

<400> 1060

Arg Gly Ser Ala Thr Thr Phe Tyr Asp Ala Ile Asn Gln Leu Val Gly
 1 5 10 15

Gln Asp Gly Gly Trp
 20

<210> 1061

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1061

Ala Gln Pro Cys Val Ser Phe Tyr Asp Ala Ile Glu Gln Leu Val Thr
 1 5 10 15

Gly Arg Ser Cys Met
 20

<210> 1062

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1062

Gly Gly Asp Gly Asp Pro Phe Tyr Asp Trp Ile Glu Gln Leu Val Arg
 1 5 10 15

Ala Gly Ser Glu Ala
 20

<210> 1063

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1063

Leu Asp Leu Cys Ala Ser Phe Tyr Asp Ala Ile Glu Gln Leu Val Gly
 1 5 10 15

Val Lys Phe Cys Gly
20

<210> 1064
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1064
Trp Leu Ala Cys Gln Ser Phe Tyr Asp Ala Ile Asp Gln Leu Ile Asn
1 5 10 15

Gly Gly Glu Cys Asn
20

<210> 1065
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1065
Glu Val Asn Ala Leu Ser Phe Tyr Asp Ala Ile Asp Gln Leu Val Arg
1 5 10 15

Gly Gly Leu Gly Gly
20

<210> 1066
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1066
Arg Leu Gln Pro Arg Thr Phe Tyr Glu Ala Ile Asp Gln Leu Ile Gly
1 5 10 15

Gly Val Leu Glu Gly
20

<210> 1067
<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1067

Ser Gly Ala His Arg Thr Phe Tyr Asp Ala Ile Gln Glu Leu Val Gly
1 5 10 15

Met Gly Gly Ser Lys
20

<210> 1068

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1068

Asn Met Gln Ser Leu Thr Phe Tyr Asp Ala Ile Ala Gln Leu Val Leu
1 5 10 15

Gly Arg Ser Gly Gly
20

<210> 1069

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1069

Arg Ala Val Gly Ala Thr Phe Tyr Asp Gln Ile Asn Gln Leu Val Arg
1 5 10 15

Lys Asp Asp Gly Tyr
20

<210> 1070

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1070

Ser Gln Cys Arg Gly Gly Phe Tyr Asp Ala Ile Tyr Gln Leu Val Thr
 1 5 10 15

Gly Val Asn Cys Ile
 20

<210> 1071

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1071

Asp Arg Leu Ala Phe Ser Phe Tyr Asp Ala Ile Asp Gln Leu Val His
 1 5 10 15

Cys Cys Gly His Gly
 20

<210> 1072

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1072

Gly Asn Arg Gln Arg Gly Phe Tyr Asp Ala Ile Asp Gln Leu Val Gly
 1 5 10 15

Gly Ser Trp Trp Arg
 20

<210> 1073

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1073

Gly Gly Ser Val Leu Ser Phe Tyr Asp Ala Ile Ala Gln Leu Val Gly
 1 5 10 15

Gly Gly Gln Ser Ile
 20

<210> 1074
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1074
 Arg Ser Gly Pro Met Ser Phe Tyr Asp Ala Ile Glu Gln Leu Val Leu
 1 5 10 15
 Gly Arg Leu His Pro
 20

<210> 1075
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1075
 Val Ser Gly Cys Arg Thr Phe Tyr Asp Ala Ile Asp Gln Leu Val Ser
 1 5 10 15
 Gly Gln Ala Cys Gly
 20

<210> 1076
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1076
 Ala Gln Phe Pro Arg Thr Phe Tyr Asp Ala Ile Glu Gln Leu Ile His
 1 5 10 15
 Gly Lys Gly Met Asp
 20

<210> 1077
 <211> 21
 <212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1077

Cys Ala Gln Pro Glu Ser Phe Tyr Asp Ala Ile Asp Arg Leu Val Thr
1 5 10 15

Gly Arg Cys Leu Val
20

<210> 1078

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1078

Pro Asp Glu Cys Gln Ser Phe Tyr Cys Ala Ile Asp Arg Leu Val Thr
1 5 10 15

Gly Lys Gly Gly Arg
20

<210> 1079

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1079

Gln Arg Arg Ala Arg Asp Phe Tyr Glu Ala Ile Gln Gln Leu Val Gly
1 5 10 15

Gly Val Ala Gly Leu
20

<210> 1080

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1080

Pro Leu Val Arg Gly Thr Phe Tyr Asp Ala Ile Lys Gln Leu Val Met
 1 5 10 15

Gly Gly Ser Ser Asp
 20

<210> 1081

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1081

Val Gly Ile Ala Trp Thr Phe Tyr Asp Ala Ile Gln Gln Leu Val Arg
 1 5 10 15

Gly Ser Pro Glu Gly
 20

<210> 1082

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1082

Pro Arg Gly Gln Ala Ser Phe Tyr Asp Met Ile Glu Gln Leu Val Gly
 1 5 10 15

Ser Ala Asp Trp Asn
 20

<210> 1083

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1083

Asp Gly Arg Val Trp Ser Phe Tyr Asp Ala Leu Glu Gln Leu Val Gly
 1 5 10 15

Gln Phe Glu Gly Pro
 20

<210> 1084
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1084
 Arg Phe Val Val Arg Ser Phe Tyr Asp Ala Ile Glu Gln Leu Ile Leu
 1 5 10 15
 Ala Pro Asn Leu Gly
 20

<210> 1085
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1085
 Lys Val Gly Arg Gly Ser Phe Tyr Asp Ala Ile Arg Glu Leu Val Gly
 1 5 10 15
 Gln Gly Gly His Val
 20

<210> 1086
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1086
 Pro Ala Ile Gly Phe Thr Phe Tyr Asp Ala Ile Arg Gln Leu Val Trp
 1 5 10 15
 Phe Gln Gly Ala Asp
 20

<210> 1087
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1087

Ala	Leu	Pro	Gly	Arg	Ser	Phe	Tyr	Asp	Ala	Ile	Ala	Gln	Leu	Val	Gly
1				5				10					15		

Pro	Asp	Trp	Gly	Ala
			20	

<210> 1088

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1088

Arg	Pro	Gln	Gly	Gly	Thr	Phe	Tyr	Asp	Met	Ile	Lys	Gln	Leu	Val	Leu
1			5					10					15		

Gly	Ser	Gly	Trp	Gly
			20	

<210> 1089

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1089

Trp	Ser	Ala	Phe	Ala	Asp	Phe	Tyr	Asp	Ala	Ile	Gln	His	Leu	Val	Ala
1			5					10					15		

Gly	Glu	Val	Gly	Ala
			20	

<210> 1090

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1090

Ser Asp Gly Arg Asp Gly Phe Tyr Asp Ala Ile Gln Gln Leu Val Arg
 1 5 10 15

Ser Ala Phe Gly Asp
 20

<210> 1091
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1091
 Ile Arg Ser Val Phe Ser Phe Tyr Asp Ala Ile Asp Gln Leu Val Gly
 1 5 10 15

Lys Gly Gly Trp Ser
 20

<210> 1092
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1092
 Gly Gly Val Ser Leu Thr Phe Tyr Glu Ala Ile Glu Gln Leu Val Arg
 1 5 10 15

Gly Gly Phe Asp Ala
 20

<210> 1093
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1093
 Ala Ala Gln Ala Phe Ser Phe Tyr Asp Leu Ile Asn Gln Leu Val Ala
 1 5 10 15

Ser Lys Pro Ser Glu
 20

<210> 1094
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1094
 Gln Ser Gly Ala Cys Gly Phe Tyr Asp Ala Ile Asn Gln Leu Val Leu
 1 5 10 15
 Gly Val Ser Ile Cys
 20

<210> 1095
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1095
 Gly Gly Ile Val Phe Ser Phe Tyr Glu Ala Ile Asp Gln Leu Val Arg
 1 5 10 15
 Gly Asn Gly Ala Gly
 20

<210> 1096
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1096
 Ile Tyr Thr Gly Gln Gly Phe Tyr Asp Ala Ile Glu Gln Leu Val Arg
 1 5 10 15
 Gly Gly Ser Thr Pro
 20

<210> 1097
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1097

Lys	Ser	Pro	Ala	Leu	Ser	Phe	Tyr	Asp	Ala	Ile	Glu	Gln	Leu	Val	Gly
1				5				10					15		

Ser	Gln	Gly	Val	Arg
			20	

<210> 1098

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1098

Ile	Ser	Pro	Pro	Trp	Thr	Phe	Tyr	Asp	Ala	Ile	Asp	Gln	Leu	Val	Gly
1				5				10					15		

Gly	Ser	Asp	Gly	Arg
			20	

<210> 1099

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1099

Gly	Ser	Arg	Phe	Arg	Gly	Phe	Tyr	Asp	Ala	Ile	Asp	Gln	Leu	Val	Arg
1				5				10					15		

Gln	Gly	Gly	Leu	Glu
			20	

<210> 1100

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1100

Gly	Val	Ala	Gly	Gly	Thr	Phe	Tyr	Asp	Ala	Ile	Glu	Gln	Leu	Val	Arg
1				5				10					15		

Gln Phe Gly Gly Ser
20

<210> 1101
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1101
Arg Pro Leu Arg Trp Ser Phe Tyr Asp Ala Leu Asp Gln Leu Val Gly
1 5 10 15

Ser Ala Ile Gly Gly
20

<210> 1102
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1102
Met Gln Gly Arg Gly Gly Phe Tyr Asp Ala Ile Ala Asp Leu Val Gly
1 5 10 15

Gly His Val Arg Gly
20

<210> 1103
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1103
Thr Ser Gln Gly Leu Ser Phe Tyr Asp Ala Ile Asn Gln Leu Val Ala
1 5 10 15

Gly Gly Trp Gly Gly
20

<210> 1104
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1104
 Ser Gly Gly Thr Val Thr Phe Tyr Asp Ala Ile Asn Gln Leu Val Gln
 1 5 10 15

Gly Arg Tyr Asn Gly
 20

<210> 1105
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1105
 Gly Gly Ala Leu Asp Pro Phe Tyr Asp Ala Ile Tyr Gln Leu Val Ile
 1 5 10 15

Arg Gly Ser Ser Gly
 20

<210> 1106
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1106
 Lys Gln Arg Gly Val Thr Phe Tyr Asp Leu Leu Asn Gln Leu Val Gly
 1 5 10 15

Gly Ser Ala Arg Gly
 20

<210> 1107
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1107

Pro Arg Ala Pro Arg Ser Phe Tyr Asp Ala Ile His Gln Leu Val Gly
1 5 10 15

Arg Gln Gly Pro Gly
20

<210> 1108

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1108

Pro Cys Ser Asp Asp Gln Phe Tyr Asp Ala Leu Ser Gln Leu Val Gly
1 5 10 15

Ile Arg Val Cys Pro
20

<210> 1109

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1109

Ser Tyr Gly Tyr Gln Ser Phe Tyr Asp Ala Ile Glu Glu Leu Val Arg
1 5 10 15

Gly Pro Pro Ala Arg
20

<210> 1110

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1110

Phe Tyr Asp Ala Ile Asp Gln Leu Val Arg Gly Ser Ala Arg Ala Gly
1 5 10 15

Gly Thr Arg Asp
20

<210> 1111
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1111
Gln Gly Gly Ser Ala Ser Phe Tyr Asp Ala Ile Asp Arg Leu Leu Arg
1 5 10 15

Met Arg Ile Gly Gly
20

<210> 1112
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1112
Ala Gln Gly Ser Glu Gly Phe Tyr Asp Ala Leu Ala Gln Leu Val Gly
1 5 10 15

Gln Leu Val Ser Gly
20

<210> 1113
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1113
Gly His Pro Ala Val Ser Phe Tyr Asp Ala Ile Asp Gln Leu Leu Arg
1 5 10 15

Arg Arg Gly Gly Gly
20

<210> 1114

<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1114
Tyr Ser Asp Thr Tyr Ser Phe Tyr Asp Ala Ile Val Gln Leu Val Arg
1 5 10 15
Arg Gly Ala Ser Ala
20

<210> 1115
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1115
Val Gly Thr Val Ala Gly Phe Tyr Asp Ala Ile Ala Gln Leu Val Ala
1 5 10 15
Arg Ala Ser Arg Val
20

<210> 1116
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1116
Arg Phe Val Trp Gly Ser Phe Tyr Asp Ala Ile Asp Gln Leu Val Gln
1 5 10 15
Gly Arg Trp Arg Gly
20

<210> 1117
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic

peptide

<400> 1117

Arg Ala Val Gly Asp Ser Phe Tyr Glu Ala Ile Gln Gln Leu Val Arg
 1 5 10 15

Gly Gly His Gly Val
 20

<210> 1118

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1118

Leu Arg Ser Gln Leu Ser Phe Tyr Glu Ala Ile Asp Gln Leu Val Gln
 1 5 10 15

Trp Lys Gly Gly Ala
 20

<210> 1119

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1119

Asp Lys Phe Phe Thr Ser Phe Tyr Asp Ala Ile Asp Gln Leu Val Gln
 1 5 10 15

Ser Val Arg Gly Val
 20

<210> 1120

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1120

Met Gln Ser Gly Phe Ser Phe Tyr Asp Ala Ile Asp Arg Leu Val Gly
 1 5 10 15

Arg Leu Gly Glu Arg
20

<210> 1121
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1121
Val Gly Ser Ser Ser Phe Tyr Glu Ala Ile Glu Arg Leu Val Gln Gly
1 5 10 15

Leu Gly Arg His
20

<210> 1122
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1122
Leu Ser Trp Ala Ala Gly Phe Tyr Glu Ala Ile Asp Gln Leu Val Arg
1 5 10 15

Ser Gly Gly His Arg
20

<210> 1123
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1123
Gln Gln Val His Ala Gly Phe Tyr Glu Ala Leu Glu Glu Leu Val Gly
1 5 10 15

Phe Gly Phe Leu Gly
20

<210> 1124
<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1124

Met Met Val Val Asp Gly Phe Tyr Asp Ala Leu His Gln Leu Val Val
1 5 10 15

Ala Gln Ser Leu Gly
20

<210> 1125

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1125

Leu Ser Val Ala Leu Ser Phe Tyr Asp Ala Leu Gly Gln Leu Val Ala
1 5 10 15

Gly Glu Gly Arg Trp
20

<210> 1126

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1126

Ser Gly Ser Asn Leu Gly Phe Tyr Asp Ala Leu Arg Gln Leu Val Gly
1 5 10 15

Ala Thr Asp Gly Ser
20

<210> 1127

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1127

Pro Ser Gly Phe Leu Ser Phe Tyr Glu Ala Ile Asp Gln Leu Val His
 1 5 10 15

Gly Val Arg Trp Phe
 20

<210> 1128

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1128

Ala Phe Thr Pro Thr Ser Phe Tyr Asp Ala Ile Glu Gln Leu Val Gln
 1 5 10 15

Gln Leu Ser Pro Arg
 20

<210> 1129

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1129

Val Ser Ser Leu Arg Ser Phe Tyr Asp Ala Leu Asp Glu Leu Val Arg
 1 5 10 15

Arg Pro Phe Gln Gln
 20

<210> 1130

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1130

Val Ser Met Pro Gln Ser Phe Tyr Asp Ala Leu Lys Gln Leu Val Arg
 1 5 10 15

Gly Ile Ser Glu Gly
 20

<210> 1131
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1131
 Ile Gly Val Ser Arg Gly Phe Tyr Asp Ala Ile Asp Lys Leu Val Arg
 1 5 10 15
 Asp Arg Gly Ser Pro
 20

<210> 1132
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1132
 Gly Arg Ser Leu Leu Ser Phe Tyr Asp Leu Ile Asp Gln Leu Val Gln
 1 5 10 15
 Ala Gly Asn Gly Gly
 20

<210> 1133
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1133
 Gly Gln Arg Ala Gln Ser Phe Tyr Glu Ala Leu Ala Arg Leu Val Cys
 1 5 10 15
 Glu Gly Arg Cys Thr
 20

<210> 1134
 <211> 21
 <212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1134

Cys Arg Phe Gln Gly Ser Phe Tyr Asp Ala Ile Asp Leu Leu Val Leu
1 5 10 15

Gly Val Arg Thr Cys
20

<210> 1135

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1135

Arg Trp Ala Phe Gln Ser Phe Tyr Asp Ala Ile Asp His Leu Val Asn
1 5 10 15

His Arg Glu Gly His
20

<210> 1136

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1136

Leu Pro Pro Ser Ser Gly Phe Tyr Asn Ala Ile Gln Gln Leu Val Cys
1 5 10 15

Gly His Arg Gly Cys
20

<210> 1137

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1137

Thr Gly Val Phe Asn Asp Phe Tyr Asp Ala Leu Gln Gln Leu Val Gly
 1 5 10 15

Phe Arg Val Arg Asp
 20

<210> 1138

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1138

Tyr Gly Ser Phe Glu Thr Phe Tyr Asp Ala Ile Asp Gln Leu Val Arg
 1 5 10 15

Arg Gly Ser Gln Pro
 20

<210> 1139

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1139

Arg Gln Leu Leu Asp Ser Phe Tyr Glu Ala Ile Asp Gln Leu Val Arg
 1 5 10 15

Ser Glu Ser Arg Pro
 20

<210> 1140

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1140

Trp Pro Arg Gly Asp Pro Phe Tyr Asp Ala Met Glu Lys Leu Leu Ser
 1 5 10 15

Gln Gly Gly Gly Arg
 20

<210> 1141
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1141
Pro Gly Leu Ile Gln Ser Phe Tyr Asp Ala Ile Asp Gln Leu Val Arg
1 5 10 15

Gln Gly Arg Gly Asn
20

<210> 1142
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1142
Met Asn Val Phe Val Ser Phe Tyr Asp Ala Ile Asp Gln Leu Val Cys
1 5 10 15

Gln Arg Ile Gly Cys
20

<210> 1143
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1143
Leu Asp Met Ile Gly Gly Phe Tyr Glu Ala Ile Asp Gln Leu Val Ser
1 5 10 15

Gly Ser Leu Ala Pro
20

<210> 1144
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1144

Arg	Arg	Pro	Cys	Asn	Ser	Phe	Tyr	Asp	Ala	Ile	Gln	Gln	Leu	Leu	Val
1				5				10					15		

Gly	Gly	Pro	Cys	Gly
				20

<210> 1145

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1145

Phe	Gly	Arg	Arg	Ser	Thr	Phe	Tyr	Asp	Leu	Ile	Asp	Gln	Leu	Val	Gly
1				5				10					15		

Gln	Gly	Arg	Gly	Thr
				20

<210> 1146

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1146

Leu	Arg	Ala	Pro	Arg	Ser	Phe	Tyr	Glu	Ala	Ile	Tyr	Gln	Leu	Ala	Gln
1				5				10					15		

Arg	Pro	Ser	Val	Pro
				20

<210> 1147

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1147

Val Gln Arg Phe Ser Ser Phe Tyr Asp Ala Leu Asp Gln Leu Val Gly
 1 5 10 15

His Gly Val Trp Lys
 20

<210> 1148

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1148

Pro Ser Ala Arg Met Gly Phe Tyr Asp Leu Ile Asp Gln Leu Val Gly
 1 5 10 15

Leu Val Pro Gly Ser
 20

<210> 1149

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1149

Ser Leu Gln Pro His Asp Phe Tyr Asp Ala Ile His Arg Leu Val Phe
 1 5 10 15

His Gly Gly Arg Phe
 20

<210> 1150

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1150

Glu Arg His Gly Gly Ser Phe Tyr Asp Ala Ile Ala Gln Leu Leu Gln
 1 5 10 15

Ser Asp Arg Ser Arg
 20

<210> 1151
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1151
 Tyr Gln Pro Pro Gly Ser Phe Tyr Asp Trp Ile Arg Glu Leu Val Ala
 1 5 10 15
 Gly Pro Arg Arg Glu
 20

<210> 1152
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1152
 Phe Ala His Ala Ser Ser Phe Tyr Asp Ala Ile Asp Gln Leu Val Ala
 1 5 10 15
 Lys Cys Gln Ser Pro
 20

<210> 1153
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1153
 Ala Gln Ser Ser Ser Gly Phe Tyr Glu Ala Leu Tyr Gln Leu Val Trp
 1 5 10 15
 Gly Arg Gly Pro Gly
 20

<210> 1154
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1154

Thr Thr Ser Gly Gly Ser Phe Tyr Asp Ala Met Tyr Gln Leu Val Trp
 1 5 10 15

Gly Asp Trp Arg Arg
 20

<210> 1155

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1155

Ala Arg Gly Thr Ala Gly Phe Tyr Ala Glu Leu Glu Arg Leu Val Arg
 1 5 10 15

Gly Gln Asp His Gly
 20

<210> 1156

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1156

Pro Arg His Ala Ile Asn Phe Tyr Asp Ala Ile His Gln Leu Val Phe
 1 5 10 15

Gly Pro Gly Arg Gln
 20

<210> 1157

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1157

Gln Ser Ala His Trp Ser Phe Tyr Asp Ala Ile Glu Arg Leu Val Asn
 1 5 10 15

Met Asp Thr Met Pro
20

<210> 1158
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1158
Val Gly Val Val Ser Ser Phe Tyr Asp Ala Ile Asp Gln Leu Val Gly
1 5 10 15

Trp Asp Arg Gly Ser
20

<210> 1159
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1159
Asp Thr Leu Ile Ala Ser Phe Tyr Asp Ala Ile Asp Gln Leu Val Arg
1 5 10 15

Leu Gly Arg Asn Gln
20

<210> 1160
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1160
Phe Gln Gly Thr Gln Gly Phe Tyr Asp Ala Ile Glu Arg Leu Met Arg
1 5 10 15

Arg Gly Glu Arg Pro
20

<210> 1161
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1161
 Trp Ala Asp Trp Gly Ser Phe Tyr Asp Ala Ile Glu Gln Leu Val Gln
 1 5 10 15
 Arg Gly Gly Gly Val
 20

<210> 1162
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1162
 Glu Gln Leu Ser Cys Gly Phe Tyr Asp Ala Ile His Gln Leu Val His
 1 5 10 15
 Gly Gly Gly Leu Gly
 20

<210> 1163
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1163
 Cys Gly Gln Arg Cys Ser Phe Tyr Asp Ala Ile Asp Gln Leu Val Gly
 1 5 10 15
 Trp Leu Pro Gly Ala
 20

<210> 1164
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1164

Met Met Arg Val Asp Gly Phe Tyr Glu Ala Ile Asp Arg Leu Val Asn
 1 5 10 15

Glu Gly Gln Ala Thr
 20

<210> 1165

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1165

Arg Gly Gln Ala Thr Ser Phe Tyr Glu Ala Ile Asp Gln Leu Met Gly
 1 5 10 15

Gly Ser Gly Gly Val
 20

<210> 1166

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1166

Gly His Tyr Phe Gly Ser Phe Tyr Asp Ala Ile Asp Gln Leu Val Ala
 1 5 10 15

Gly Met Leu Pro Gly
 20

<210> 1167

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1167

Pro Glu Gly Val Gln Gly Phe Tyr Asp Ala Leu Ala His Leu Val Gly
 1 5 10 15

Gly Ser Leu Phe Gly
20

<210> 1168
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1168
Ile Gly Val Leu Gly Ser Phe Tyr Asp Ala Ile Asp Gln Leu Val Arg
1 5 10 15

Gln Gly Gly Asn Arg
20

<210> 1169
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1169
Arg Asp Val Ala Asp Gly Phe Tyr Ala Ala Ile Glu Gln Leu Val Arg
1 5 10 15

Gly Gln Phe Gly Leu
20

<210> 1170
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1170
Val Arg Gln Ala Lys Ser Phe Tyr Asp Ala Ile Asp Gln Leu Val Arg
1 5 10 15

Gly Ala Leu Arg Gly
20

<210> 1171

<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1171
Gln Val Phe Arg Gly Ser Phe Tyr Asp Ala Ile Asp Ala Leu Val Arg
1 5 10 15
Trp Gly Gly Arg Ala
20

<210> 1172
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1172
Val Gly Ala Ala Phe Ser Phe Tyr Asp Ala Ile Asp Gln Leu Val Gly
1 5 10 15
Trp Ser Pro Gly Ser
20

<210> 1173
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1173
Pro Ser Pro Val Trp Ser Phe Tyr Asp Ala Ile Gln Gln Leu Val Arg
1 5 10 15
Ser Gly Gln Arg Gly
20

<210> 1174
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic

peptide

<400> 1174

Pro Val Ser Ala Thr Ser Phe Tyr Asp Ala Ile Asn Gln Leu Val Arg
 1 5 10 15

Met Gly Ser Arg Gly
 20

<210> 1175

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1175

Val Met Arg Arg Asp Arg Phe Tyr Asp Ala Ile Glu Gln Leu Val Gly
 1 5 10 15

Gly Arg Ile Gly Val
 20

<210> 1176

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1176

Thr Thr Tyr Val Asn Ser Phe Tyr Asp Ala Leu Gln Gln Leu Leu Gly
 1 5 10 15

Gly Asp Ala Asp Val
 20

<210> 1177

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1177

Leu Ser Asn Met Ile Thr Phe Tyr Asp Ala Ile Asn Gln Leu Val Gly
 1 5 10 15

His Val Gln Ser Leu
20

<210> 1178
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1178
Ala Ser Ser Arg Leu Ser Phe Tyr Asp Ala Ile Glu Gln Leu Ile Lys
1 5 10 15

Trp Ser Pro Gly Pro
20

<210> 1179
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1179
Trp Asp Leu Val Asp Ser Phe Tyr Asp Ala Ile Asp Gln Leu Val Gly
1 5 10 15

Gln Arg Val Pro Gly
20

<210> 1180
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1180
Phe Ala Phe Val Gly Ser Phe Tyr Asp Ala Leu Ala Gln Leu Val Ala
1 5 10 15

Gln Gly Pro Arg Ser
20

<210> 1181
<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1181

Glu Asp Gln Pro Asn Ser Phe Tyr Asp Ala Ile Arg Gln Leu Val Met
1 5 10 15

Gly Arg Leu Ser Pro
20

<210> 1182

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1182

Ser Val Gly Pro Arg Ser Phe Tyr Asp Ala Ile Asp Gln Leu Val Gly
1 5 10 15

Gly Ala Trp Val Gly
20

<210> 1183

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1183

Lys Phe Arg Val Tyr Thr Phe Tyr Asp Ala Ile Asp Gln Leu Val Asn
1 5 10 15

Gln Gly Arg Gly Arg
20

<210> 1184

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1184

Gly Arg Gly Trp Gly Ser Phe Tyr Glu Ala Ile Asp Gln Leu Val Arg
1 5 10 15

Gly Leu Gly Glu Thr
20

<210> 1185

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1185

Phe Thr Ser Phe His Thr Phe Tyr Asp Ala Ile Glu Gln Leu Val Gly
1 5 10 15

Gln Gly Gly Asp Pro
20

<210> 1186

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1186

Ala Gly Ser Val Thr Ser Phe Tyr Asp Ala Met Glu Gln Leu Val Ala
1 5 10 15

Thr Gly Thr Ser Ala
20

<210> 1187

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1187

Pro Arg Glu Ser Phe Ser Phe Tyr Asp Ala Ile His Gln Leu Val Thr
1 5 10 15

Gly Arg Val Arg Ser
20

<210> 1188
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1188
Leu Gly Arg Ala Asp Gly Phe Tyr Asp Ala Ile Lys Gln Leu Val Gly
1 5 10 15
Ala Asp Trp Gly Gly
20

<210> 1189
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1189
Arg Ser Gly Thr Trp Thr Phe Tyr Asp Ala Leu Glu Leu Leu Val Gln
1 5 10 15
Gly Ser Gly Ser Arg
20

<210> 1190
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1190
Pro Val Val Leu Phe Ser Phe Tyr Asp Ala Ile Asp Gln Leu Val Arg
1 5 10 15
Lys Gly Leu Gly Pro
20

<210> 1191
<211> 21
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1191

Gly Arg Arg Ala Gln Thr Phe Tyr Asp Ala Leu Glu Gln Leu Val Gly
1 5 10 15

Gly Glu Ala Leu Gly
20

<210> 1192

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1192

Ala Gly Pro Asp Met Ser Phe Tyr Asp Ala Ile Asp Gln Leu Val His
1 5 10 15

Cys Cys Gly Pro Phe
20

<210> 1193

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1193

His Gly Glu Lys Leu Ser Phe Tyr Asp Ala Ile Ala Gln Leu Val Gly
1 5 10 15

Phe Asp Ile Gly His
20

<210> 1194

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1194

Gly Tyr Thr Pro Val Asp Phe Tyr Asp Ala Ile Arg Gln Leu Val Thr
 1 5 10 15

Gly Gly Trp Pro Gly
 20

<210> 1195

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1195

Phe Gly Gly Phe Ser Ser Phe Tyr Asp Ala Leu Asp Gln Leu Ala Arg
 1 5 10 15

Gly Arg Gly Ser Asp
 20

<210> 1196

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1196

Val Gly Ile Val Arg Gly Phe Tyr Glu Ala Ile Glu Arg Leu Val Gly
 1 5 10 15

Asp Thr His Gly Gln
 20

<210> 1197

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1197

Thr Pro Gly Gly Phe Ser Phe Tyr Asp Ala Ile Gln Gln Leu Val Asp
 1 5 10 15

Val Leu Ser Asp Ser
 20

<210> 1198

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1198

Thr Asn Ala Ala Leu Thr Phe Tyr Asp Ala Ile Glu Gln Leu Val Arg
1 5 10 15

Trp Gly Gln Arg Asp
20

<210> 1199

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1199

Gly Gln Ser Pro Leu Ser Phe Tyr Asp Ala Ile Asp Gln Leu Val Arg
1 5 10 15

Ala Phe Pro Val Gly
20

<210> 1200

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1200

Ala Gly Gln Leu Gly Gly Phe Tyr Ile Ala Ile Cys Gln Leu Val Gly
1 5 10 15

Tyr Glu Tyr Cys Thr
20

<210> 1201

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1201

Ser Ala Gly Pro Leu Ser Phe Tyr Asp Ala Ile Ala Gln Leu Val Gly
1 5 10 15

Pro Ala Trp Arg Leu
20

<210> 1202

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1202

Phe Tyr Asp Ala Ile Asp Gln Leu Val Arg Gly Ser Ala Arg Ala Gly
1 5 10 15

Gly Thr Arg Asp
20

<210> 1203

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1203

Ala Gly Val Asn Ala Gly Phe Tyr Arg Tyr Phe Ser Thr Leu Leu Asp
1 5 10 15

Trp Trp Asp Gln Gly
20

<210> 1204

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1204

Ser Val Lys Glu Val Gln Phe Tyr Arg Tyr Phe Tyr Asp Leu Leu Gln
 1 5 10 15

Ser Glu Glu Ser Gly
 20

<210> 1205

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1205

Ile Glu Val Thr Gln Pro Phe Tyr Asp Tyr Phe Gln Gln Leu Leu Arg
 1 5 10 15

Leu Tyr Gly Asn Asp
 20

<210> 1206

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1206

Val Gln Cys Arg Ala Asp Phe Tyr Ser Tyr Phe Ala Cys Leu Val Gly
 1 5 10 15

Arg Pro Gly Ser Arg
 20

<210> 1207

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1207

Arg Asn Tyr Pro Ile Gly Phe Tyr Gln Phe Phe His Glu Leu Val Ile
 1 5 10 15

Ser Ser Gly Gly Gly
 20

<210> 1208

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1208

Asp Leu Gly Gly Asn Ser Phe Tyr Tyr Gly Leu Leu Arg Leu Val Leu
1 5 10 15

Gln Asp Ala Val Gly
20

<210> 1209

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1209

Cys Lys Asp Gln Pro Asp Phe Tyr Met Gly Ile Lys Cys Leu Ile Ser
1 5 10 15

Gly Gly Gly Ser Val
20

<210> 1210

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1210

Ala Cys Glu Gly Gly Ser Phe Tyr Gly Cys Leu Gln Ser Leu Met Ser
1 5 10 15

Val Glu Ser Gly Asn
20

<210> 1211

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1211

Ala	Val	His	Glu	Asp	Gly	Phe	Tyr	Asp	Met	Leu	Arg	Lys	Leu	Leu	Ser
1				5					10					15	

Glu	Gly	Asp	Ser	Ser
			20	

<210> 1212

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1212

Leu	Ala	Arg	Asn	Asp	Glu	Phe	Tyr	Arg	Tyr	Phe	Glu	Gln	Leu	Val	Phe
1				5					10					15	

Gly	Asp	Thr	Glu	Gly
			20	

<210> 1213

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1213

Ala	Thr	Cys	Ala	Ser	Ser	Phe	Tyr	Ala	Gln	Leu	Asn	Cys	Leu	Leu	Ser
1				5					10					15	

Asp	Phe	Asp	Val	Met
			20	

<210> 1214

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1214

Val	Gln	Ala	Cys	Gln	Asn	Phe	Tyr	Asp	Cys	Leu	Asn	Thr	Leu	Leu	Leu
1				5					10					15	

Leu Asp Leu Gly Gly
20

<210> 1215
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1215
Ile Arg Gly Ala Asp Gln Phe Tyr Gln Phe Phe Arg Glu Leu Leu Glu
1 5 10 15

Gly Ser Val Gly Glu
20

<210> 1216
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1216
Arg Ala Gly Ser Arg Gly Phe Tyr Glu Phe Phe Glu Asn Leu Leu Arg
1 5 10 15

Val Gly Ala Gly Gly
20

<210> 1217
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1217
Ala Gln Arg Cys Ala Asp Phe Tyr Ala Cys Ile Glu Glu Leu Leu Ala
1 5 10 15

Pro Gly Ser Trp Arg
20

<210> 1218
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1218
Pro Gly Gly Gly Glu Gly Phe Tyr Gln Gly Leu Gln Arg Leu Ile Leu
1 5 10 15

Gly Ala Asp Gly Gly
20

<210> 1219
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1219
Gln Lys Arg Ser Glu Ala Phe Tyr Asp Trp Ile Ala Asp Leu Leu Gly
1 5 10 15

Gln Glu Thr Ser Gly
20

<210> 1220
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1220
Trp Gly Leu Arg Asp Asp Phe Tyr Arg Gly Ile Arg Cys Leu Val Gln
1 5 10 15

Trp Ser Glu Gly Cys
20

<210> 1221
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1221

Asp Ser Thr Val Cys Gly Phe Tyr Cys Arg Leu Ala Gln Leu Val Ala
1 5 10 15

Glu Gly Gly Ser Pro
20

<210> 1222

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1222

Gln His Ser Cys Arg Thr Phe Tyr Asp Cys Ile Arg Val Leu Met Asp
1 5 10 15

Asp Gly Gln Leu Gly
20

<210> 1223

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1223

Trp Ser Gly Asn Val Asp Phe Tyr Tyr Met Ile Arg Gln Leu Cys Gly
1 5 10 15

Asp Val Cys Gly Ser
20

<210> 1224

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1224

Gln Thr Val His Arg Asp Phe Tyr Ala Ala Leu Gln Asp Leu Leu Ile
1 5 10 15

Asn Asp Leu Gly Phe
20

<210> 1225
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1225
Ser Ser Gly Cys Gln Asp Phe Tyr Ser Cys Met Ile Gln Leu Val Thr
1 5 10 15

Gly Gly Gly Gly Asp
20

<210> 1226
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1226
Ser Gly Pro Met Val Gly Phe Tyr Arg Gly Leu Phe Ser Leu Leu Ser
1 5 10 15

Pro Glu Asp Leu Gln
20

<210> 1227
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1227
Leu Ala Glu Pro Asp Ser Phe Tyr Asn Trp Ile Ala Gln Leu Leu Glu
1 5 10 15

Glu Gly Phe Ala Gly
20

<210> 1228

<211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1228
 Phe Ser Gly Cys Asp Asn Phe Tyr Ser Cys Ile Gln Ser Leu Trp Leu
 1 5 10 15

Gly Pro Gly Gly Val
 20

<210> 1229
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1229
 Gln Val Phe Cys Asp Asn Phe Tyr His Cys Ile Glu Thr Leu Leu Gly
 1 5 10 15

Val Gly Gln Thr Pro
 20

<210> 1230
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1230
 Arg Gly Arg Asp Asn Gln Phe Tyr His Gly Leu Trp Ala Leu Leu Leu
 1 5 10 15

Gly Ser Gly Leu Glu
 20

<210> 1231
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic

peptide

<400> 1231

Val	Ser	Gly	Arg	Gly	Gly	Phe	Tyr	Asp	Ala	Ile	Arg	Asp	Leu	Ile	Gly
1				5					10					15	

Pro	Arg	Asp	Gln	Gly
			20	

<210> 1232

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1232

Pro	Val	Val	Leu	Asp	Asp	Phe	Tyr	Val	Ala	Leu	Cys	Gln	Leu	Met	Val
1				5					10					15	

Gln	Gly	Asp	Cys	Phe
			20	

<210> 1233

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1233

Pro	Asp	Ile	Ala	Asp	Pro	Phe	Tyr	Ala	Phe	Phe	Gln	Gly	Leu	Leu	Arg
1				5					10					15	

Ala	Asp	Thr	Pro	Ile
			20	

<210> 1234

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1234

Val	Ala	Gln	Cys	Thr	Asp	Phe	Tyr	Ala	Cys	Ile	Arg	Ser	Leu	Val	Arg
1				5					10					15	

Ser Gly Ser Pro Gly
20

<210> 1235
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1235
Cys Ser Gln Leu Val Ser Phe Tyr Leu Gly Met Asp Cys Leu Leu Gly
1 5 10 15

Arg Gly Gly Thr Gln
20

<210> 1236
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1236
Pro Leu Ala Cys Ala Asp Phe Tyr Gln Cys Leu Ser Asp Leu Ile Arg
1 5 10 15

Gly Gly Pro Ala Trp
20

<210> 1237
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1237
Val Val Ile Cys Thr Gly Phe Tyr Asp Cys Ile Tyr Gln Leu Val Gly
1 5 10 15

Ser His Glu Glu Met
20

<210> 1238
<211> 21

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1238
Cys Val Asp Arg Arg Thr Phe Tyr Glu Gly Leu Gln Cys Leu Leu Gly
1 5 10 15

Gly Ala Thr Gly Asp
20

<210> 1239
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1239
Val Asn Leu Arg Asp Pro Phe Tyr Gln Trp Ile Glu Ala Leu Met Asp
1 5 10 15

Ser Ala Gly Gly Glu
20

<210> 1240
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1240
Leu Thr Ser Ser Thr Ser Phe Tyr Asp Ala Leu Phe Cys Leu Ala Gly
1 5 10 15

Leu Gln Leu Cys Gly
20

<210> 1241
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1241

Asp Phe Asp Ser Ser Pro Phe Tyr Arg Gly Leu Arg Gln Leu Leu Glu
 1 5 10 15

Ser Arg Ser Phe Pro
 20

<210> 1242

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1242

His Glu Ala Gly Trp Thr Phe Tyr Asp Ala Ile Gln Cys Leu Val Gly
 1 5 10 15

Gly Trp Cys Ser Lys
 20

<210> 1243

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1243

Cys Gln Gln Trp Arg Ser Phe Tyr His Ala Val Ser Cys Leu Leu Gly
 1 5 10 15

Pro Asp Asp Pro Asp
 20

<210> 1244

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1244

Met Val Asp Arg Asp Pro Phe Tyr Gln Gly Leu Arg Asp Leu Ile Gly
 1 5 10 15

Arg Gln Glu Lys Gly
 20

<210> 1245
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1245
Leu Gly Arg Arg Gly Gly Phe Tyr Arg Gly Leu Gln Asp Leu Ile Gly
1 5 10 15
Thr Gln Trp Pro Arg
20

<210> 1246
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1246
Asp Ala Leu Asn Leu Arg Phe Tyr Ser Tyr Phe Gln His Leu Met Glu
1 5 10 15
Asp Gln Val Thr Asp
20

<210> 1247
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1247
Gly Asn Ser Gly Gly Ser Phe Tyr Arg Tyr Phe Gln Leu Leu Leu Asp
1 5 10 15
Ser Asp Gly Met Ser
20

<210> 1248
<211> 21
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1248

Gly Asp Arg Val Pro Gly Phe Tyr Asp Trp Ile Arg Gln Leu Met Val
1 5 10 15

Asp Pro Leu Glu Val
20

<210> 1249

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1249

Ser Glu Arg Glu Asp Pro Phe Tyr Arg Trp Ile Gln Ala Met Val Glu
1 5 10 15

Gly Val Ser Glu Gly
20

<210> 1250

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1250

Gly Ser Val Ala Cys Asp Phe Tyr Cys His Met Trp Ser Leu Val Glu
1 5 10 15

Gln Pro Ala Gly Thr
20

<210> 1251

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1251

Val His Pro Ser Ala Gly Phe Tyr Lys Gly Leu Leu Ala Leu Ile Gly
 1 5 10 15

Asp Ser Gln Leu Gly
 20

<210> 1252

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1252

Phe Cys Gly Gly Leu Ser Phe Tyr Gly Cys Leu Gln Glu Leu Leu Thr
 1 5 10 15

Trp Glu Ser Pro Thr
 20

<210> 1253

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1253

Gln Ser Gly Ser Gly Asp Phe Tyr Asp Trp Leu Ser Arg Leu Ile Arg
 1 5 10 15

Gly Asn Gly Asp Gly
 20

<210> 1254

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1254

Leu Pro Arg Gln Asp Gly Phe Tyr Asp Ala Leu Arg Arg Leu Ile Ser
 1 5 10 15

Glu Gly Ala Gly Gly
 20

<210> 1255
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1255
Leu Gln Pro Cys Ser Gly Phe Tyr Glu Cys Ile Glu Arg Leu Ile Gly
1 5 10 15
Val Lys Leu Ser Gly
20

<210> 1256
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1256
Gly Val Arg Ala Met Ser Phe Tyr Asp Ala Leu Val Ser Val Leu Gly
1 5 10 15
Leu Gly Pro Ser Gly
20

<210> 1257
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1257
Val Glu Gly Arg Gly Leu Phe Tyr Asp Leu Leu Arg Gln Leu Leu Ala
1 5 10 15
Arg Arg Gln Asn Gly
20

<210> 1258
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1258

Lys Leu His Asn Leu Met Phe Tyr Tyr Gly Leu Gln Arg Leu Val Trp
1 5 10 15

Gly Ala Gly Leu Gly
20

<210> 1259

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1259

Gly Asn Gly Asp Gly Met Phe Tyr Gln Leu Leu Ser Leu Leu Val Gly
1 5 10 15

Arg Asp Met His Val
20

<210> 1260

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1260

Pro Asp Leu His Lys Gly Phe Tyr Ala Gln Leu Ala Gln Leu Ile Arg
1 5 10 15

Gly Gln Leu Leu Ser
20

<210> 1261

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1261

Tyr Ser Cys Gly Asp Gly Phe Tyr Ser Leu Leu Ser Asp Leu Leu Gly
 1 5 10 15

Gly Gln Phe Arg Cys
 20

<210> 1262

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1262

Ile Gln Gln Glu Leu Thr Phe Tyr Asp Leu Leu His Arg Leu Val Arg
 1 5 10 15

Ser Glu Leu Gly Ser
 20

<210> 1263

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1263

Gly Gly Thr Glu Val Asp Phe Tyr Arg Ala Leu Glu Arg Leu Val Arg
 1 5 10 15

Gly Gln Leu Gly Leu
 20

<210> 1264

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1264

Leu Arg Ile Ala Asn Leu Phe Tyr Gln Arg Leu Trp Asp Leu Ala Phe
 1 5 10 15

Gly Gly Gly Gly
 20

<210> 1265

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1265

Pro Val Gly Val Gln Gly Phe Tyr Glu Gly Leu Ser Arg Leu Val Leu
1 5 10 15

Gly Arg Gly Gly Trp
20

<210> 1266

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1266

Arg Phe Ser Thr Asp Gly Phe Tyr Gln Tyr Leu Leu Ala Leu Val Gly
1 5 10 15

Gly Gly Pro Val Gly
20

<210> 1267

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1267

Asn Ser Arg Asp Gly Gly Phe Tyr Leu Gln Leu Glu Arg Leu Leu Gly
1 5 10 15

Phe Pro Val Thr Gly
20

<210> 1268

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1268

Val	Val	Thr	Pro	Val	Asn	Phe	Tyr	Arg	Ala	Leu	Glu	Ala	Leu	Val	Arg
1				5					10					15	

Gly	Gln	Arg	Leu	Gly
			20	

<210> 1269

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1269

Gln	Pro	Ala	Pro	Asp	Gly	Phe	Tyr	Ser	Ala	Leu	Met	Lys	Leu	Ile	Gly
1				5					10					15	

Arg	Gly	Gly	Val	Ser
			20	

<210> 1270

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1270

Pro	Gly	Thr	Asp	Leu	Gly	Phe	Tyr	Gln	Ala	Leu	Arg	Cys	Val	Val	Ile
1				5					10					15	

Gln	Gly	Ala	Cys	Asp
			20	

<210> 1271

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1271

Ala	Gln	Pro	Cys	Gly	Gly	Phe	Tyr	Gly	Leu	Leu	Glu	Gln	Leu	Val	Gly
1				5					10					15	

Arg Ser Val Cys Asp
20

<210> 1272
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1272
Gln Pro Asp His Ser Tyr Phe Tyr Ser Leu Leu Gln Glu Leu Val Gly
1 5 10 15

Ser Glu Glu Arg Leu
20

<210> 1273
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1273
Leu Gly Val Thr Asp Gly Phe Tyr Ala Ala Leu Gly Tyr Leu Ile His
1 5 10 15

Gly Val Gly Gln Phe
20

<210> 1274
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1274
Cys Met Met Gln Asp Gly Phe Tyr Ala Gly Leu Gly Cys Leu Leu Thr
1 5 10 15

Ala Gly Glu Gly Arg
20

<210> 1275

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1275

Ile Cys Thr Gly Gln Gly Phe Tyr Gln Val Leu Cys Gly Leu Leu Arg
1 5 10 15

Gly Thr Ser Ala Arg
20

<210> 1276

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1276

Gln Gly Asn Val Leu Asp Phe Tyr Gly Trp Ile Gly Arg Leu Leu Ala
1 5 10 15

Lys Gln Gly Ser Asp
20

<210> 1277

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1277

Val Ala Thr Ser Gln Gly Phe Tyr Ser Gly Leu Ser Glu Leu Leu Gln
1 5 10 15

Gly Gly Gly Asn Val
20

<210> 1278

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1278

Ile Trp Ala Thr Gly Asp Phe Tyr Arg Leu Leu Ser Gln Leu Val Met
1 5 10 15

Gly Arg Val Gly Thr
20

<210> 1279

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1279

Arg Gln Gly Thr Gly Ser Phe Tyr Leu Met Leu Glu Gln Leu Leu Val
1 5 10 15

Gly Ala Arg Gly Pro
20

<210> 1280

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1280

Asp Ser Val Gly Asp Asn Phe Tyr Gln Leu Leu Glu Ser Leu Val Gly
1 5 10 15

Gly His Gly Val Gly
20

<210> 1281

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1281

Leu Ser Ser Asp Gly Gln Phe Tyr Arg Ala Leu Asn Leu Leu Gln
1 5 10 15

Gly Ser Ala Gly Arg
20

<210> 1282
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1282
Ala Ser Ser Ala Ser Gly Phe Tyr Glu Leu Leu Gln Arg Leu Ala Gly
1 5 10 15

Leu Gly Leu Glu Val
20

<210> 1283
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1283
Cys Gly Ser Arg Arg Asp Phe Tyr Gly Gly Ile Ile Cys Leu Leu Gly
1 5 10 15

Gln Lys Gly Val Val
20

<210> 1284
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1284
Pro Ala Gly Pro Cys Gly Phe Tyr Cys Gly Leu Gly Leu Leu His
1 5 10 15

Gly Asp Gln Ser Pro
20

<210> 1285

<211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1285
 Gln Ala Ala Pro Gln Asp Phe Tyr Gln Gly Leu Trp Leu Leu Ile His
 1 5 10 15

Arg Asp Pro Thr Met
 20

<210> 1286
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1286
 Arg Cys Gln Gly Thr Gly Phe Tyr Thr Cys Ile Gln Glu Leu Ile Gly
 1 5 10 15

Phe Gly Asp Pro Asp
 20

<210> 1287
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1287
 Thr Leu Arg Ser Pro Thr Phe Tyr Asp Trp Leu Glu Met Val Leu Thr
 1 5 10 15

His Gly Gln Gly Gly
 20

<210> 1288
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic

peptide

<400> 1288

Ser Thr His Ser Arg Ala Phe Tyr Asp Ala Ile Ala Gln Leu Val Gly
 1 5 10 15

Ser Val Leu Gly Pro
 20

<210> 1289

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1289

Arg Gln Gly Gly Gly Ser Phe Tyr Glu Leu Leu Cys Gly Leu Val Gly
 1 5 10 15

Gly Glu Val Cys Val
 20

<210> 1290

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1290

Arg Gln Gln Ala Ser Gly Phe Tyr Arg Ala Leu His Asp Leu Met Leu
 1 5 10 15

Arg Thr Gln Asp Tyr
 20

<210> 1291

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1291

Ser Arg Ala Asn Asn Leu Phe Tyr Met Gly Leu Ser Gln Leu Leu Arg
 1 5 10 15

Asp Asn Arg Gly Leu
20

<210> 1292
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1292
Gly Arg Ala Leu Asp Pro Phe Tyr Asp Gln Leu Arg Asp Leu Val Ala
1 5 10 15

Arg Ser Gly Gly Gly
20

<210> 1293
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1293
Glu Ala Ser Cys Arg Thr Phe Tyr Cys Gly Leu Met Ala Leu Ile Gly
1 5 10 15

Gly Asp Asp Gln Arg
20

<210> 1294
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1294
Gln Asn Gly Cys Lys Asp Phe Tyr Cys Leu Ile Asp Asn Leu Ile Arg
1 5 10 15

Tyr Gly Pro Gly Gly
20

<210> 1295
<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1295

Gln His Ser Cys Arg Thr Phe Tyr Asp Cys Ile Arg Val Leu Met Asp
1 5 10 15

Asp Gly Gln Leu Gly
20

<210> 1296

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1296

Leu Asp Ser Arg Arg Gly Phe Tyr Asp Trp Ile Lys Ala Leu Ile Gly
1 5 10 15

Asp Arg Asp Val Gln
20

<210> 1297

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1297

Cys Gln Gln Lys Gly Asp Phe Tyr Ala Gly Leu Val Cys Leu Leu Arg
1 5 10 15

Glu Arg Ala Ser Gln
20

<210> 1298

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1298

Gly Gly Ser Gln Gln Ser Phe Tyr Asp Val Met Cys Met Leu Leu Gln
1 5 10 15

Leu Asp Pro Thr Cys
20

<210> 1299

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1299

Val Glu Ser Asp Val Ser Phe Tyr Glu Gly Leu Met Arg Leu Val Trp
1 5 10 15

Trp Gly Gln Gly Gly
20

<210> 1300

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1300

Glu Arg Ala Gly Asp Leu Phe Tyr Gln Trp Phe Glu Arg Leu Val Ala
1 5 10 15

Gly His Gly Leu Glu
20

<210> 1301

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1301

Arg Met Pro Ser Gly Ser Phe Tyr Gln Gly Ile Tyr Glu Leu Val Thr
1 5 10 15

Arg Gln Gly Gly Phe
20

<210> 1302

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1302

Xaa Xaa Xaa Xaa Xaa Xaa Phe Tyr Arg Tyr Phe Xaa Xaa Leu Leu Xaa
 1 5 10 15

Xaa Xaa Xaa Xaa Xaa
 20

<210> 1303

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1303

Arg Trp Pro Asn Phe Tyr Gly Tyr Phe Glu Ser Leu Leu Thr His Phe
 1 5 10 15

Ser

<210> 1304

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1304

His Tyr Asn Ala Phe Tyr Glu Tyr Phe Gln Val Leu Leu Ala Glu Thr
 1 5 10 15

Trp

<210> 1305

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1305

Glu Gly Trp Asp Phe Tyr Ser Tyr Phe Ser Gly Leu Leu Ala Ser Val
 1 5 10 15

Thr

<210> 1306

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1306

Leu Asp Arg Gln Phe Tyr Arg Tyr Phe Gln Asp Leu Leu Val Gly Phe
 1 5 10 15

Met

<210> 1307

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1307

Trp Gly Arg Ser Phe Tyr Arg Tyr Phe Glu Thr Leu Leu Ala Gln Gly
 1 5 10 15

Ile

<210> 1308

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1308

Arg Arg Glu Gly Phe Tyr His Tyr Phe Gln Ser Leu Leu Asp Glu Tyr
 1 5 10 15

Gly

<210> 1309

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1309

Gly Gly Gly Gln Phe Tyr Arg Tyr Phe Ile Asp Met Leu Val Leu Asp
 1 5 10 15

Ile

<210> 1310

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1310

Pro Thr Gly Pro Phe Asp Arg Tyr Phe Ala Arg Arg Leu Val Trp Arg
 1 5 10 15

Gly

<210> 1311

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1311

Arg Gly Gly Ala Phe Tyr Arg Tyr Phe Glu Gly Leu Leu Ser Gln His
 1 5 10 15

Asn

<210> 1312

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1312

Trp	Arg	Asp	Pro	Phe	Tyr	Arg	Tyr	Phe	Gln	Asp	Leu	Leu	Glu	Gly	Glu
1				5				10					15		

Arg

<210> 1313

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1313

Trp	Gly	Gly	Glu	Phe	Tyr	Arg	Tyr	Phe	Val	Gln	Leu	Leu	Ser	Ser	Glu
1				5				10					15		

Asp

<210> 1314

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1314

Gly	Arg	Glu	Ser	Phe	Tyr	Gly	Tyr	Phe	Leu	Asp	Leu	Leu	Gln	Glu	Thr
1				5				10					15		

Val

<210> 1315

<211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1315
 Gly His Ala Glu Phe Tyr Gly Tyr Phe Gln Gly Leu Leu Asp Ser Tyr
 1 5 10 15

Leu

<210> 1316
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1316
 Gly Gly Glu Ala Phe Tyr Arg Tyr Phe Trp Gly Leu Leu Thr Glu Trp
 1 5 10 15

Glu

<210> 1317
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1317
 Leu Ser Ser Gly Phe Tyr Arg Tyr Phe Thr Gly Leu Leu Ser Asp Gly
 1 5 10 15

Gln

<210> 1318
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic

peptide

<400> 1318

Asp Pro Gly Ala Phe Tyr Arg Tyr Phe Ala Gln Leu Met Asp Thr Trp
 1 5 10 15

Asn

<210> 1319

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1319

Lys His Glu Gln Phe Tyr Glu Tyr Phe Arg Asn Leu Leu Gly Ala Met
 1 5 10 15

Ser

<210> 1320

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1320

Arg Asp Gly Ala Phe Tyr Arg Tyr Phe Glu Asp Leu Leu Ile Ala Val
 1 5 10 15

Asp

<210> 1321

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1321

Arg Gly Asn Arg Phe Tyr Glu Tyr Phe Glu Tyr Leu Leu Arg Asp Tyr
 1 5 10 15

Gly

<210> 1322
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1322
 Glu Leu Gly Asp Phe Tyr Arg Tyr Phe Gln Leu Leu Leu Ala Asp Trp
 1 5 10 15

His

<210> 1323
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1323
 Ala Gln Asp Ala Phe Tyr Ser Tyr Phe Ser Val Leu Leu Gly Glu His
 1 5 10 15

Leu

<210> 1324
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1324
 Ile Gly Val Asn Phe Tyr Arg Tyr Phe Glu Lys Leu Leu Leu Asp Glu
 1 5 10 15

Phe

<210> 1325
 <211> 17

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1325
Thr Asp Ser Gln Phe Tyr Ser Tyr Phe Glu Ser Leu Leu Glu Thr Phe
1 5 10 15

Gly

<210> 1326
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1326
Ser Ser Arg Glu Phe Tyr Ser Tyr Phe Ser Gly Leu Leu Thr Thr Ala
1 5 10 15

Leu

<210> 1327
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1327
Thr Gly Arg Gly Phe Tyr Arg Tyr Phe Glu Gly Leu Leu Glu Asp Trp
1 5 10 15

Met

<210> 1328
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1328

Ser Gly Ser Trp Phe Tyr Arg Tyr Phe Glu Glu Leu Leu Leu Gln Ser
 1 5 10 15

Gly

<210> 1329

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1329

Gly Arg Gly Gly Phe Tyr Gln Tyr Phe Leu Asp Leu Leu Gln Thr Glu
 1 5 10 15

Ala

<210> 1330

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1330

Gly Gln Asn Gly Phe Tyr Arg Tyr Phe Asp Thr Leu Leu Ala Asp Trp
 1 5 10 15

Val

<210> 1331

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1331

Phe Ala Gly Ser Phe Tyr Arg Tyr Phe Glu Gln Leu Leu Leu Ser Glu
 1 5 10 15

Gln

<210> 1332
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1332
 Asp Pro Asn Ala Phe Tyr Arg Tyr Phe Glu Gly Leu Leu Trp Arg Glu
 1 5 10 15

His

<210> 1333
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<220>
 <223> Xaa represents a variable or unknown amino acid

<400> 1333
 Xaa Gly Leu Asn Phe Tyr Arg Tyr Phe Val Gly Leu Leu Thr Asp Thr
 1 5 10 15

Leu

<210> 1334
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1334
 Arg His Ile Asn Phe Tyr Gly Tyr Phe Asp Asp Leu Leu Ala Thr Trp
 1 5 10 15

His

<210> 1335

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1335

Phe His Arg Gly Phe Tyr Arg Tyr Phe Ile Asn Leu Leu Ser Gly Asp
1 5 10 15

Ala

<210> 1336

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1336

Met Gly Ser Ser Phe Tyr Arg Tyr Phe Glu Thr Leu Leu Gly Gln Gly
1 5 10 15

Leu

<210> 1337

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1337

Gly Ser Leu Asp Phe Tyr Ser Tyr Phe Trp Glu Arg Leu Gly Leu Gly
1 5 10 15

Pro

<210> 1338

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1338

Ser Thr Val Ser Phe Tyr Arg Tyr Phe Tyr Ala Leu Leu Gln Ser Pro
 1 5 10 15

Cys

<210> 1339

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1339

Leu Gly Gly Tyr Phe Tyr Arg Tyr Phe Glu Asp Leu Leu Asn His Gln
 1 5 10 15

Ser

<210> 1340

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1340

Asp His Arg Gly Phe Tyr Arg Tyr Phe Leu Tyr Gln Leu Ala Gly Asn
 1 5 10 15

Val

<210> 1341

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1341

Glu Tyr Ser Gly Phe Tyr Gly Tyr Phe Asn His Leu Leu Gly Ser Leu
 1 5 10 15

Gly

<210> 1342

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1342

Thr Ser Asn Trp Phe Tyr Gln Tyr Phe Thr Asp Leu Leu Ala Gly Glu
1 5 10 15

Asp

<210> 1343

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1343

Ser Ser Gly Gly Phe Tyr Arg Tyr Phe Ser Gln Leu Leu Thr Glu Met
1 5 10 15

Asn

<210> 1344

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1344

Val His Gly Glu Phe Tyr Arg Tyr Phe Glu Ser Leu Leu Arg Glu Thr
1 5 10 15

Phe

<210> 1345

<211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1345
 Ser Asp Glu Gly Phe Tyr Arg Tyr Phe Ala Gln Leu Leu Tyr Gly Val
 1 5 10 15

Thr

<210> 1346
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1346
 Glu Thr Gly Gly Phe Tyr Gly Tyr Phe Gln Ala Leu Leu Ala Thr Tyr
 1 5 10 15

His

<210> 1347
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1347
 Gly Asp Arg Gly Phe Tyr Arg Tyr Phe Glu Trp Leu Leu Asn Asp Phe
 1 5 10 15

Gly

<210> 1348
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic

peptide

<400> 1348

Phe	Gly	Gly	Ala	Phe	Tyr	Arg	Tyr	Phe	Glu	Ala	Leu	Leu	Gly	Glu	Met
1				5				10						15	

Gly

<210> 1349

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1349

Asp	Gly	Gly	Ala	Phe	Tyr	Arg	Tyr	Phe	Glu	Ala	Leu	Leu	Gly	Glu	Leu
1				5				10						15	

Asp

<210> 1350

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1350

Trp	His	Ser	Asp	Phe	Tyr	Arg	Tyr	Phe	Leu	Ser	Leu	Leu	Gln	Glu	Asp
1				5				10						15	

Gly

<210> 1351

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1351

Glu	Glu	Glu	Gly	Phe	Tyr	Gly	Tyr	Phe	Tyr	Arg	Leu	Leu	Gly	Val	Glu
1				5				10						15	

Arg

<210> 1352

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1352

Met	Asp	Ala	Gly	Phe	Tyr	Gly	Tyr	Phe	Ser	Asp	Leu	Leu	Ala	Asn	Trp
1				5					10					15	

Gly

<210> 1353

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1353

Ser	Gly	Phe	Ala	Phe	Tyr	Gln	Tyr	Phe	Gln	Glu	Leu	Leu	Ala	Gly	His
1				5					10					15	

Asp

<210> 1354

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1354

Gly	Asp	Gly	Gly	Phe	Tyr	Gly	Tyr	Phe	Ala	Ser	Leu	Leu	Ser	Gly	Glu
1				5					10					15	

Gly

<210> 1355

<211> 17

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1355
Glu Ala Asn Gly Phe Tyr Arg Tyr Phe Tyr Asp Leu Leu Gln Asp Phe
1 5 10 15

Gly

<210> 1356
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1356
Ala Val Asn Gly Phe Tyr Arg Tyr Phe Asn Arg Leu Leu Glu Ser Val
1 5 10 15

Glu

<210> 1357
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1357
Gln Gln Asp Gly Phe Tyr Arg Tyr Phe Leu Asp Leu Leu Asp Glu Val
1 5 10 15

Ala

<210> 1358
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1358

Ile Ser Gln Gly Phe Tyr Gly Tyr Phe Ser Arg Leu Leu Gln Asp Thr
 1 5 10 15

Glu

<210> 1359

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1359

Tyr Ser Thr Gly Phe Tyr Arg Tyr Phe Leu Asp Leu Leu Asp Gly Met
 1 5 10 15

Pro

<210> 1360

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1360

Pro Asn Gly Asp Phe Tyr Arg Tyr Phe Leu Asp Leu Leu Gly Ser Val
 1 5 10 15

Gly

<210> 1361

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1361

Arg His Gln Ala Phe Tyr Ser Tyr Phe Arg Asp Leu Pro Arg Glu Cys
 1 5 10 15

Pro

<210> 1362
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1362
 Glu Thr Glu Gly Phe Tyr Arg Tyr Phe Glu Glu Leu Leu Ala Gln Val
 1 5 10 15

Ala

<210> 1363
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1363
 Ala Gly Asp Arg Phe Tyr Asp Tyr Phe Asp Arg Leu Leu Ala Asp Tyr
 1 5 10 15

Asp

<210> 1364
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1364
 Gly Gly Ser Gly Phe Tyr Arg Tyr Phe Trp Gly Leu Leu Ala Glu Gln
 1 5 10 15

Glu

<210> 1365
 <211> 17
 <212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1365

Leu	Leu	Asn	Arg	Leu	Tyr	Arg	Tyr	Phe	Ala	Gly	Ala	Glu	Gly	Trp	Phe
1				5					10					15	

Gly

<210> 1366

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1366

Asp	Gly	Ser	Gly	Phe	Tyr	Arg	Tyr	Phe	Glu	Met	Leu	Leu	Gly	Ser	Gly
1				5					10					15	

Leu

<210> 1367

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1367

Arg	Asp	Met	Ala	Phe	Tyr	Arg	Tyr	Phe	Ser	His	Leu	Leu	Glu	Ser	Phe
1				5					10					15	

Gln

<210> 1368

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1368

Gly Asn Ala Gly Phe Tyr Arg Ile Ser Arg Ile Leu Trp Gln Gly Thr
 1 5 10 15

Glu

<210> 1369

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1369

Gly Asn Ala Gly Phe Tyr Arg Tyr Phe Ala Asp Leu Met Ala Gly Tyr
 1 5 10 15

Glu

<210> 1370

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1370

Tyr Gln Ala Ala Phe Tyr Arg Tyr Phe Ala Thr Leu Leu Ser Thr Thr
 1 5 10 15

Asp

<210> 1371

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1371

Gly Gly Leu Gly Phe Tyr Arg Tyr Phe Gln Leu Leu Leu Gly Ser Ser
 1 5 10 15

Gly

<210> 1372

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1372

Asp Gly Ser Gly Phe Tyr Gly Tyr Phe Asp Phe Val Leu Arg Gln Phe
1 5 10 15

Glu

<210> 1373

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1373

Val Gly Ser Gly Phe Tyr Arg Tyr Phe Asp Gln Leu Leu Gly Met Tyr
1 5 10 15

Gly

<210> 1374

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1374

Tyr Gly Thr Asp Phe Tyr Leu Tyr Phe Asp Gln Leu Leu Leu Gln Tyr
1 5 10 15

Gly

<210> 1375

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1375

Phe	Asn	Ser	Ser	Phe	Tyr	Leu	Tyr	Phe	Arg	Asp	Leu	Leu	Asn	Thr	Val
1				5				10					15		

Gly

<210> 1376

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1376

Arg	Ala	Ala	Gly	Phe	Tyr	Arg	Tyr	Phe	Glu	Asp	Leu	Leu	Gly	Ala	Arg
1				5				10					15		

Gly

<210> 1377

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1377

Thr	Gly	Ala	Gly	Phe	Tyr	Arg	Tyr	Phe	Ile	Asp	Leu	Leu	Gly	Glu	Thr
1				5				10					15		

Gly

<210> 1378

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1378

Arg Asp Leu Glu Phe Tyr Gly Tyr Phe Gln Glu Leu Leu Arg Leu Asn
 1 5 10 15

Phe

<210> 1379

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1379

Gly Met Gly Pro Phe Tyr Arg Tyr Phe Ile Asp Leu Leu Arg Glu Ser
 1 5 10 15

Asp

<210> 1380

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1380

His Gly Asp Gly Phe Tyr Gln Tyr Phe Met Glu Val Leu Arg Leu Gln
 1 5 10 15

Asn

<210> 1381

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1381

Ala Phe Tyr Arg Tyr Phe Arg Asp Leu Leu Phe Ser Gly Phe
 1 5 10

<210> 1382

<211> 17

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1382
Asp Asp Arg Gly Phe Tyr Arg Tyr Phe Glu Ser Leu Leu Leu Gly Ser
1 5 10 15

Ser

<210> 1383
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1383
Leu Ser Thr Ser Phe Tyr Gln Tyr Leu Ala Gly Leu Leu Arg Gly Asp
1 5 10 15

Arg

<210> 1384
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1384
Gly Ser Ser Gly Phe Tyr Arg Tyr Phe Asn Met Leu Met Leu Ser Gln
1 5 10 15

Thr

<210> 1385
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1385

Gly Asp Arg Gly Phe Tyr Arg Tyr Phe Glu Gly Leu Leu Ala Ser Val
 1 5 10 15

Gly

<210> 1386

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1386

Asn Ser Ala Ala Phe Tyr Arg Tyr Phe Glu Gln Leu Leu Glu Arg Glu
 1 5 10 15

Val

<210> 1387

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1387

Leu Ser Asp Gly Phe Tyr Arg Tyr Phe Glu Gln Leu Met Gly Ala Arg
 1 5 10 15

Ser

<210> 1388

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1388

Arg Ser Thr Leu Phe Tyr Arg Tyr Phe Gln Asn Leu Leu Glu Glu Val
 1 5 10 15

Gly

<210> 1389
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1389
 Thr Arg Gly Gly Phe Tyr Arg Tyr Phe Glu Asp Leu Leu Gln Val Tyr
 1 5 10 15

Ser

<210> 1390
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1390
 Gly Val Ser Gly Phe Tyr Arg Tyr Phe Gln Ser Leu Leu Asp Ser Tyr
 1 5 10 15

Gly

<210> 1391
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1391
 Gln Asn Asp Ala Phe Tyr Ser Tyr Phe Asn Ser Leu Leu Gln Ala Tyr
 1 5 10 15

Thr

<210> 1392
 <211> 17
 <212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1392

Arg Gln Gln Asp Phe Tyr Arg Tyr Phe Arg Gln Leu Leu Leu Glu Glu
1 5 10 15

Val

<210> 1393

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1393

Glu Gly Ser Gly Phe Tyr Arg Tyr Phe Glu Lys Leu Leu Leu Gln Ser
1 5 10 15

Pro

<210> 1394

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1394

Arg His Lys Ala Phe Tyr Arg Tyr Phe Glu Glu Leu Leu Gln Lys Asn
1 5 10 15

Val

<210> 1395

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1395

Gly Arg Met Thr Arg Leu Ile Val Arg Ser Thr Val Ile Ser Arg Glu
 1 5 10 15

Leu Leu His Tyr Ser Leu
 20

<210> 1396

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1396

Gln Ala Leu Ser Phe Tyr Arg Tyr Phe Glu Arg Leu Leu Asp Glu Val
 1 5 10 15

Ser

<210> 1397

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1397

Ser Lys Ser Ala Phe Tyr Arg Tyr Phe Asp Glu Leu Leu Gly Asn Ser
 1 5 10 15

Gly

<210> 1398

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1398

Leu Gly Gly Ala Phe Tyr Arg Tyr Phe Ala Gln Leu Leu Asn Ser His
 1 5 10 15

Val

<210> 1399

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1399

Leu Asn Ser Gly Phe Tyr Gly Tyr Phe Val Gln Leu Leu Ser Gly His
 1 5 10 15

Gln

<210> 1400

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1400

Ser Gln Ser Ser Phe Tyr Arg Tyr Phe Glu Ser Leu Leu Glu Asp Asn
 1 5 10 15

Pro

<210> 1401

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1401

Ala Asp Gly Gly Phe Tyr Gly Tyr Phe Ala Ala Leu Leu Gly Ser Val
 1 5 10 15

Ser

<210> 1402

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1402

Gln	Asn	Gly	Ser	Phe	Tyr	Arg	Tyr	Phe	Ile	Ala	Leu	Leu	Gly	Asp	Ser
1				5					10					15	

Gly

<210> 1403

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1403

Trp	Asp	Thr	Gly	Phe	Tyr	Arg	Tyr	Phe	Ile	Glu	Leu	Leu	Glu	Asp	Arg
1				5					10					15	

Asp

<210> 1404

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1404

His	Pro	Arg	Asp	Phe	Tyr	Arg	Tyr	Phe	Glu	Arg	Leu	Leu	Asn	Gln	Val
1				5					10					15	

Asp

<210> 1405

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1405

Asp Gly Gly Ala Phe Tyr Arg Tyr Phe Met Asp Leu Leu Gly Ala His
 1 5 10 15

Glu

<210> 1406

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1406

Ala Gly Arg Gly Phe Tyr Arg Tyr Phe Glu His Leu Leu Ala Gly Arg
 1 5 10 15

Glu

<210> 1407

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1407

Ser Ser Arg Gly Phe Tyr Arg Tyr Phe Arg Glu Leu Leu Ala Asp Ser
 1 5 10 15

Trp

<210> 1408

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1408

Lys Tyr Ser Gly Phe Tyr Glu Tyr Phe Asn Ala Leu Leu Gly Arg Arg
 1 5 10 15

Glu

<210> 1409
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1409
Asp Tyr Thr Ala Phe Tyr Gly Tyr Phe Asn Asn Leu Leu Arg Thr Ser
1 5 10 15

Gly

<210> 1410
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1410
Phe Gln Ser Ser Phe Tyr Gly Tyr Phe Glu Ser Leu Leu Met Ser Tyr
1 5 10 15

Lys

<210> 1411
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1411
Asp Thr Asn Ala Phe Tyr Arg Tyr Phe Glu Gly Leu Leu Trp Ser Glu
1 5 10 15

His

<210> 1412
<211> 17
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1412

Gly	Gly	Ser	Ser	Phe	Tyr	Arg	Tyr	Phe	Glu	Gln	Leu	Leu	Ala	Gln	Trp
1				5					10					15	

Glu

<210> 1413

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1413

Ser	Gln	Gly	Gly	Phe	Tyr	Arg	Tyr	Phe	Glu	Lys	Leu	Leu	Asp	Glu	Val
1				5					10					15	

Thr

<210> 1414

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1414

Arg	Ser	Gly	Leu	Phe	Tyr	Arg	Tyr	Phe	Glu	Glu	Leu	Leu	Gln	Gly	Ala
1				5					10					15	

Ile

<210> 1415

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1415

Gln	Gly	Gly	Gly	Phe	Tyr	His	Tyr	Phe	Leu	Ser	Leu	Leu	Glu	Glu	Val
1				5					10					15	

Gly

<210> 1416
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1416
 Trp Arg Gly Ala Phe Tyr Arg Tyr Phe Gln Thr Leu Leu Ser Asp Glu
 1 5 10 15

Gly

<210> 1417
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1417
 Ala Ala Gly Phe Tyr Gly Tyr Phe Tyr Ser Leu Leu Gly Asp Gln Thr
 1 5 10 15

<210> 1418
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1418
 Arg Asn Ser Gly Phe Tyr Arg Tyr Phe Gln His Leu Val Ser Glu Trp
 1 5 10 15

Glu

<210> 1419
 <211> 17
 <212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1419

Gln His Arg Leu Phe Tyr Ser Tyr Phe Ala Glu Leu Leu Gly Arg Asp
 1 5 10 15

Thr

<210> 1420

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1420

Gln Ile Asp Glu Phe Tyr Arg Tyr Phe Ala Asp Gln Leu Arg Gly Phe
 1 5 10 15

Ala

<210> 1421

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1421

Leu Gly Gly Gly Phe Tyr Arg Tyr Phe Asn Leu Leu Val Met Gly Ser
 1 5 10 15

Gly

<210> 1422

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1422

Gly Asp Arg Ala Phe Tyr Arg Tyr Phe Gln Arg Gln Leu Glu Gly Trp
 1 5 10 15

Gly

<210> 1423

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1423

Cys Glu Asp Ala Phe Tyr Arg Tyr Phe Val Asn Leu Leu Gly Gln Gly
 1 5 10 15

Cys

<210> 1424

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1424

Asn Tyr Ser Gln Phe Tyr Arg Tyr Phe Glu Met Leu Leu Glu Gly Asp
 1 5 10 15

Val

<210> 1425

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1425

Val Gly Asp Ala Phe Tyr Arg Tyr Phe Gln Gly Leu Leu Arg Gln Asp
 1 5 10 15

Gln

<210> 1426

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1426

Met His Gly Ser Phe Tyr Arg Tyr Phe Gln Asp Leu Leu Gln Ala Pro
1 5 10 15

Pro

<210> 1427

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1427

Asp Val Gly Asp Phe Tyr Arg Tyr Phe Gly Leu Leu Leu Thr Ser Asp
1 5 10 15

Arg

<210> 1428

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1428

Asn Ser Ala Ala Phe Tyr Gly Tyr Phe Ser Gln Leu Leu Ala Gln Ile
1 5 10 15

Arg

<210> 1429

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1429

Ile Ile Gly Gly Phe Tyr Ser Tyr Phe Asn Ser Val Leu Arg Leu Gly
1 5 10 15

Thr

<210> 1430

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1430

Arg Phe Asp Pro Phe Tyr Ser Tyr Phe Val Asn Leu Leu Gly Ala Ser
1 5 10 15

Ala

<210> 1431

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1431

Glu Gly Ser Gly Phe Tyr Gly Tyr Phe Phe Ser Leu Leu Gly Leu Gln
1 5 10 15

Gly

<210> 1432

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1432

Leu Lys Asp Gly Phe Tyr Asp Tyr Phe Trp Gln Arg Leu His Leu Gly
 1 5 10 15

Ser

<210> 1433

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1433

Pro Leu Ala Glu Leu Trp Ala Tyr Phe Glu His Ser Glu Gln Gly Arg
 1 5 10 15

Ser Ser Ala His
 20

<210> 1434

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1434

Pro Val Leu Ser Gly Leu Leu Arg Tyr Phe Ala Gly Gly Pro Leu Gly
 1 5 10 15

Gln Pro Gln Ser
 20

<210> 1435

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1435

Gly Gly Tyr Leu Asp Asp Leu Trp His Tyr Phe Arg Asp Gly Gln Ala
 1 5 10 15

Leu Gln Pro Trp
 20

<210> 1436
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1436
 Val Asp Gln Arg Gln Gly Gly Trp Leu Leu Ala Leu Glu Asn Tyr Phe
 1 5 10 15
 Arg Ser Thr Val
 20

<210> 1437
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1437
 Asp Val Pro Ala Gly Gly Leu Leu Arg Gln Met Trp Val Tyr Phe Arg
 1 5 10 15
 Asp Ser Asp Pro
 20

<210> 1438
 <211> 25
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1438
 Arg Arg Val Ala Cys Thr Gln Ala Asp Gly Leu Leu Cys Glu Ser Asp
 1 5 10 15
 Pro Leu Lys Ala Leu Leu Ser Tyr Phe
 20 25

<210> 1439
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1439

Xaa Xaa Xaa Leu Xaa Xaa Leu Xaa Xaa Tyr Phe Xaa Xaa Xaa Xaa Xaa
1 5 10 15

Xaa

<210> 1440

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1440

Leu Asp Pro Leu Asp Ala Leu Leu Gln Tyr Phe Trp Ser Val Pro Gly
1 5 10 15

His

<210> 1441

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1441

Leu Asp Ala Leu Asp Arg Leu Met Arg Tyr Phe Glu Glu Arg Pro Ser
1 5 10 15

Leu

<210> 1442

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1442

Ala Asp Glu Leu Glu Trp Leu Leu Asp Tyr Phe Met His Gln Pro Arg
 1 5 10 15

Pro

<210> 1443

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1443

Asp Gln Glu Leu Gly Trp Leu Arg Gly Tyr Phe Glu Trp Thr Ala Arg
 1 5 10 15

Asp

<210> 1444

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1444

Asp Gly Val Leu Glu Glu Leu Phe Ser Tyr Phe Ser Ala Thr Val Gly
 1 5 10 15

Pro

<210> 1445

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1445

Pro Met Asn Leu Ser Glu Leu Trp Asp Tyr Phe Arg Leu Lys Pro Gly
 1 5 10 15

Arg

<210> 1446
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1446
 Asp Ser Ile Leu Arg Glu Leu Arg Asp Tyr Phe Ala Pro Tyr Ser His
 1 5 10 15

Cys

<210> 1447
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1447
 Asp Asp Ala Leu Glu Trp Leu Leu Asn Tyr Phe Gln Asn Gly His Val
 1 5 10 15

Gln

<210> 1448
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1448
 Gly Asp Ile Leu Asp Ala Leu Leu Arg Tyr Phe Glu Phe Gly Val Asp
 1 5 10 15

Thr

<210> 1449
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1449

Gly	Asp	Gln	Leu	Ala	Trp	Leu	Leu	Ala	Tyr	Phe	Gln	Ser	Asp	Gly	Ser
1				5					10					15	

Asp

<210> 1450

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1450

Asp	Gly	Val	Leu	Glu	Gly	Leu	Leu	Ser	Tyr	Phe	Thr	Ser	Thr	Asn	Ser
1				5					10					15	

His

<210> 1451

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1451

Ala	Arg	Pro	Leu	Asp	Trp	Leu	Leu	Asp	Tyr	Phe	Lys	Gln	Gly	Ala	Arg
1				5					10					15	

Gly

<210> 1452

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1452

Asp Asp Met Leu Arg Gln Leu Trp Leu Tyr Phe Glu Ala Ser Ala Gly
 1 5 10 15

Gly

<210> 1453

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1453

Asp Pro Trp Leu Ala Trp Leu Gly Arg Tyr Phe Gly Glu Thr Ala Thr
 1 5 10 15

Gly

<210> 1454

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1454

Asp Pro Thr Leu Phe Gly Leu Leu Arg Tyr Phe Gln Glu Ser Gly Ile
 1 5 10 15

Ala

<210> 1455

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1455

Met Asp Pro Leu Arg Gly Leu Leu Met Tyr Phe Ser Gln Gly Gly Leu
 1 5 10 15

Val

<210> 1456

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1456

Asp Gly Leu Leu Trp Gln Leu Trp Asp Tyr Phe Ala Leu Ser Glu His
1 5 10 15

Arg

<210> 1457

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1457

Asp Asn Trp Leu Ser Ala Leu Met Ala Tyr Phe Met Gly Ser Gly Glu
1 5 10 15

Ser

<210> 1458

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1458

Asp Asp Val Leu Asn Tyr Leu Leu Gly Tyr Phe Arg Gln Ser Asp Gly
1 5 10 15

Leu

<210> 1459

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1459

Arg	Pro	Val	Leu	Gly	Trp	Leu	Phe	Asp	Tyr	Phe	Val	Ala	Ser	Asp	Pro
1				5				10						15	

Met

<210> 1460

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1460

Arg	Trp	Pro	Leu	Ser	Ala	Leu	Met	Asp	Tyr	Phe	Arg	Arg	Ser	Asp	Gly
1				5				10						15	

Val

<210> 1461

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1461

Asp	Gly	Val	Leu	Ala	Ser	Leu	Trp	Arg	Tyr	Phe	Val	Ser	Gly	Gly	Thr
1				5				10						15	

Leu

<210> 1462

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1462

Asp	Arg	Gln	Leu	Gly	Trp	Leu	Trp	Asp	Tyr	Phe	His	Leu	Thr	Asp	Leu
1				5				10						15	

Pro

<210> 1463

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1463

Asp	Gly	Ile	Leu	Gly	Leu	Leu	Met	Ala	Tyr	Phe	Val	Glu	Ser	Xaa	Arg
1				5					10					15	

Val

<210> 1464

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1464

Gln	Asp	Leu	Leu	Gly	Arg	Leu	Trp	Leu	Tyr	Phe	Ala	Glu	Thr	Asp	Thr
1				5					10					15	

Val

<210> 1465

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1465

Ser	Gly	Val	Leu	Ala	Asp	Leu	Phe	Arg	Tyr	Phe	Gln	Arg	His	Pro	Trp
1				5					10					15	

Pro

<210> 1466
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1466
 Asp Pro Pro Leu Gly Gly Leu Trp Thr Tyr Phe Ser Arg Ser Asp Pro
 1 5 10 15

Gly

<210> 1467
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1467
 Asp Ser Val Leu Arg Ser Leu Tyr Ser Tyr Phe Ala Ser Gly Asp Ile
 1 5 10 15

Ala

<210> 1468
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1468
 Asp Gly Val Leu Ala Ala Leu Glu Ala Tyr Phe Arg His Gly Pro Arg
 1 5 10 15

Asp

<210> 1469
 <211> 17
 <212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1469

Asp Glu Ile Leu Gly Ala Leu Tyr Ser Tyr Phe Ser Leu Ser Gly Gly
 1 5 10 15

Ala

<210> 1470

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1470

Gln Asp Val Leu Gly Ala Leu Gln Arg Tyr Phe Ala Ser Gly Glu Pro
 1 5 10 15

Trp

<210> 1471

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1471

Asp Ser Val Leu Gln Tyr Leu Leu Asn His Phe Gly Ala Asp Ser Lys
 1 5 10 15

Gln

<210> 1472

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1472

Asn Glu Val Leu Glu Gly Leu Phe Ser Tyr Phe Val Tyr Xaa Ala Asn
 1 5 10 15

Gly

<210> 1473

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1473

Ser Gly Ile Leu Gly Gln Leu Leu Arg Tyr Phe Lys Gly Ala Gly Gly
 1 5 10 15

Gly

<210> 1474

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1474

Asp Glu Leu Leu Asp Arg Leu Trp Gln Tyr Phe Gln Val Gly Gly Asp
 1 5 10 15

Leu

<210> 1475

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1475

Pro Gly Ile Leu Leu Asp Leu Trp Arg Tyr Phe Ala Ser Ala Pro Asp
 1 5 10 15

Gln

<210> 1476

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1476

Asp	Ser	Val	Leu	Leu	Asp	Leu	Tyr	Glu	Tyr	Phe	Ser	Ser	Gly	Ser	Ser
1				5				10					15		

Gly

<210> 1477

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1477

Asp	Gly	Met	Leu	Ser	Arg	Leu	Trp	Glu	Tyr	Phe	Ala	Gly	Thr	Asn	Val
1				5				10					15		

Pro

<210> 1478

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1478

Asp	Val	Ile	Leu	Gly	Gly	Leu	Trp	Asp	Tyr	Phe	Ala	Ser	Gly	Gly	Gly
1				5				10					15		

His

<210> 1479

<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1479
Gly Gly Val Leu Ala Ala Leu Glu Arg Tyr Phe Arg Val Ser Ala Gly
1 5 10 15

Asp

<210> 1480
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1480
Asp Glu Val Leu Gly Arg Leu Trp Ala Tyr Phe Ala Gln Glu Ser Leu
1 5 10 15

Gly

<210> 1481
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1481
Asp Gly Ile Leu Gln Ser Leu Trp Asp Tyr Phe Ala Arg Ser Pro Val
1 5 10 15

Gly

<210> 1482
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic

peptide

<400> 1482

Val	Asp	Ile	Leu	Ser	Glu	Leu	Trp	Asp	Tyr	Phe	Arg	Arg	Gly	Glu	Glu
1				5					10					15	

Gly

<210> 1483

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1483

Asp	Lys	Val	Leu	Arg	Leu	Leu	Gly	Glu	Tyr	Phe	Ala	Thr	His	Ser	Lys
1				5					10					15	

Gly

<210> 1484

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1484

Gln	Gly	Pro	Leu	Ala	Trp	Leu	Arg	Asp	Tyr	Phe	Ala	Ser	Gly	Thr	Arg
1				5					10					15	

Ser

<210> 1485

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1485

Gln	Asp	Val	Leu	Arg	Ser	Leu	Leu	Ser	Tyr	Phe	Met	Gly	Asn	Gly	Asp
1				5					10					15	

Val

<210> 1486
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1486
 Asp Gly Val Leu Ser Lys Leu Trp Glu Tyr Phe Lys Ile Gln Gly Asn
 1 5 10 15

Asp

<210> 1487
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1487
 Asn Thr Ile Leu Gly Asp Leu Trp Arg Tyr Phe Ala Gly Ser Gly Gly
 1 5 10 15

Met

<210> 1488
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<220>
 <223> Xaa represents a variable or unknown amino acid

<400> 1488
 Xaa Asp Val Leu Lys Lys Leu Xaa Val Tyr Phe Glu Leu Ser Gly Gly
 1 5 10 15

Ala

<210> 1489

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1489

Gly Gly Pro Leu Gln Gly Leu Tyr Thr Tyr Phe Lys Gln Ser Pro Val
1 5 10 15

Cys

<210> 1490

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1490

Asp Arg Leu Leu Ser Gly Leu Trp Ala Tyr Phe Ala Gly Asn Gly Gly
1 5 10 15

Ser

<210> 1491

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1491

Asp Leu Ile Leu Gln Ser Leu Leu Asp Tyr Phe Gln Gly Arg Pro Val
1 5 10 15

Gly

<210> 1492

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1492

Leu Ala Leu Leu Pro Met Leu Trp Asp Tyr Phe Val Ala Thr Asp Pro
1 5 10 15

Gln

<210> 1493

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1493

Asp Ser Ile Leu Arg Glu Leu Arg Asp Tyr Phe Ala Arg Thr His Ile
1 5 10 15

Ala

<210> 1494

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1494

Asp Gly Val Leu Gly Gln Leu Trp Gln Tyr Phe Ala Gln Tyr Pro Gly
1 5 10 15

Ser

<210> 1495

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1495

Xaa Pro Pro Leu Asp Ala Leu Trp Glu Tyr Phe Thr Gly Thr Ala Arg
 1 5 10 15

Asp

<210> 1496

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1496

Asp Asn Val Leu Glu Gly Leu Trp Ser Tyr Phe Ala Leu Trp Ser Gln
 1 5 10 15

Leu

<210> 1497

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1497

Ser Ala Val Leu Glu Tyr Leu Leu Ala Tyr Phe Ala Arg Thr Gly Ala
 1 5 10 15

Ala

<210> 1498

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1498

Asp Arg Ala Leu Gly Pro Leu Trp Arg Tyr Phe Met Val Asn Asn Gly
 1 5 10 15

Gln

<210> 1499

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1499

Trp Arg Ile Leu Asp Arg Leu Leu Ala Tyr Phe Lys Glu Ser Gln Gly
1 5 10 15

Asp

<210> 1500

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1500

Asp Asp Val Leu Val Thr Leu Phe Gln Tyr Phe Arg Ala Ser Thr Gly
1 5 10 15

Val

<210> 1501

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1501

Phe Asp Val Leu Thr Trp Leu Gly Arg Tyr Phe Xaa Met Asn Thr Gly
1 5 10 15

Lys

<210> 1502
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1502
 Arg Asp Val Leu Asp Gly Leu Arg Glu Tyr Phe Arg Ala Ser Val Gly
 1 5 10 15

Gly

<210> 1503
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1503
 Ile Lys Thr Leu Asn Asp Leu Leu Ala Tyr Phe Arg Gly Asp Leu Asp
 1 5 10 15

Val

<210> 1504
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1504
 Asp Glu Ala Leu Leu Trp Leu Met Arg Tyr Phe Arg Gly Ser Pro Ser
 1 5 10 15

Pro

<210> 1505
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1505

Glu Ser Pro Leu Asp Ala Leu Arg Ala Tyr Phe Ser Gly Arg Arg Asn
 1 5 10 15

Trp

<210> 1506

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1506

Ile Gln Ser Leu Xaa Asp Leu Leu Gln Tyr Phe Val Ser Ser Pro Ser
 1 5 10 15

Val

<210> 1507

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1507

Gly Gly Ile Leu Asp Xaa Leu Gln Asp Tyr Phe Arg Ser Thr Asp Val
 1 5 10 15

Gly

<210> 1508

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1508

His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
 1 5 10 15

Tyr Cys Ser Gly
 20

<210> 1509

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1509

His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
 1 5 10 15

Tyr Cys Ser Gly
 20

<210> 1510

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1510

Pro Leu Cys Val Leu Glu Glu Leu Phe Trp Ser Thr Pro Leu Phe Gly
 1 5 10 15

Gln Cys Ser Tyr
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<210> 1511

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1511

His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Ala
 1 5 10 15

Gln Cys Val Gly
20

<210> 1512

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1512

Asp Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Arg Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1513

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1513

His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ala Gly
20

<210> 1514

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1514

His Leu Cys Val Val Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1515

<211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1515
 Asn Leu Cys Asp Leu Glu Val Leu Phe Trp Gly Ala Ser Leu Phe Arg
 1 5 10 15
 Gln Cys Ser Gly
 20

<210> 1516
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1516
 Pro Leu Cys Val Leu Glu Glu Gln Phe Trp Gly Ala Ser Leu Phe Gly
 1 5 10 15
 Gln Cys Ser Gly
 20

<210> 1517
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1517
 Gln Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Glu Phe Gly
 1 5 10 15
 Gln Cys Ser Gly
 20

<210> 1518
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic

peptide

<400> 1518

His	Leu	Cys	Glu	Leu	Glu	Glu	Leu	Phe	Trp	Gly	Ala	Ser	Leu	Phe	Gly
1				5					10					15	

Gln	Cys	Ser	Gly
			20

<210> 1519

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1519

Pro	Leu	Cys	Val	Leu	Glu	Glu	Leu	Phe	Trp	Gly	Glu	Ser	Leu	Phe	Gly
1				5					10					15	

Gln	Cys	Ser	Gly
			20

<210> 1520

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1520

His	Leu	Cys	Val	Leu	Glu	Glu	Leu	Phe	Trp	Gly	Ala	Ser	Arg	Phe	Gly
1				5					10					15	

Gln	Cys	Ser	Gly
			20

<210> 1521

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1521

Lys	Leu	Cys	Val	Leu	Glu	Glu	Leu	Phe	Trp	Gly	Ala	Ser	Leu	Phe	Gly
1				5					10					15	

Gln Cys Ser Gly
20

<210> 1522

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1522

Tyr Leu Cys Val Leu Glu Glu Leu Ser Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1523

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1523

His Leu Cys Val Leu Glu Glu Leu Leu Trp Gly Ala Ser Leu Phe Ala
1 5 10 15

Gln Cys Ser Gly
20

<210> 1524

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1524

Gln Leu Cys Val Leu Glu Gln Leu Phe Trp Gly Glu Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1525

<211> 20

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1525
His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Gly Asn Leu Phe Ser
1 5 10 15

Gln Cys Ser Gly
20

<210> 1526
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1526
His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Tyr Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1527
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1527
Ser Leu Cys Ala Leu Glu Glu Gln Phe Trp Gly Ala Ala Leu Phe Gly
1 5 10 15

Tyr Cys Ser Gly
20

<210> 1528
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1528

His Leu Cys Val Leu Glu Glu Gln Phe Trp Gly Ala Ser Leu Phe Asp
1 5 10 15

Gly Cys Ala Gly
20

<210> 1529

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1529

Gln Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1530

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1530

Pro Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ala Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1531

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1531

His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Thr Gly
20

<210> 1532
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1532
Pro Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Gly Ser Leu Phe Gly
1 5 10 15
Gln Cys Ser Gly
20

<210> 1533
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1533
Gln Leu Cys Val Leu Glu Glu Leu Val Trp Gly Ala Ser Leu Phe Gly
1 5 10 15
Gln Cys Ser Gly
20

<210> 1534
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1534
His Leu Cys Val Val Glu Glu Leu Ile Trp Gly Ala Ser Leu Phe Gly
1 5 10 15
Gln Cys Ser Arg
20

<210> 1535
<211> 20
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1535

Asp Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ala Gly
20

<210> 1536

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1536

Gln Leu Cys Val Leu Glu Glu Arg Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1537

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1537

Asn Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ala Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1538

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1538

Gln Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ser Ser Leu Phe Gly
 1 5 10 15

Gln Cys Ser Gly
 20

<210> 1539

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1539

Asp Leu Cys Val Val Glu Glu Leu Phe Trp Gly Lys Ser Leu Phe Gly
 1 5 10 15

Gln Cys Ser Gly
 20

<210> 1540

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1540

Asp Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ser Ser Leu Phe Gly
 1 5 10 15

Gln Cys Ser Gly
 20

<210> 1541

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1541

Tyr Leu Cys Val Leu Glu Glu Gln Phe Trp Gly Ala Ser Leu Phe Arg
 1 5 10 15

Gln Cys Phe Gly
 20

<210> 1542
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1542
His Leu Cys Val Leu Glu Glu Leu Leu Trp Gly Ser Ser Leu Phe Gly
1 5 10 15
Gln Cys Ser Gly
20

<210> 1543
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1543
Pro Leu Cys Gly Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15
Gln Cys Ser Asp
20

<210> 1544
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1544
His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ser Ser Leu Phe Ala
1 5 10 15
Gln Cys Ser Gly
20

<210> 1545
<211> 20
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1545

Pro Leu Cys Ala Ile Glu Glu Leu Phe Trp Gly Ala Ala Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1546

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1546

His Leu Cys Val Leu Glu Glu Gln Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Asp Cys Ser Gly
20

<210> 1547

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1547

Pro Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Pro Leu Phe Gly
1 5 10 15

Gln Cys Ser Asp
20

<210> 1548

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1548

Asp Leu Cys Gly Leu Glu Glu Leu Phe Trp Gly Ala Ala Leu Phe Gly
1 5 10 15

Gln Cys Thr Ser
20

<210> 1549

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1549

Gln Leu Cys Val Leu Glu Lys Gln Leu Trp Gly Ala Ser Leu Phe Trp
1 5 10 15

Gln Cys Ser Gly
20

<210> 1550

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1550

His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Tyr Gly
1 5 10 15

Gln Cys Pro Gly
20

<210> 1551

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1551

His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Asp
1 5 10 15

Gln Cys Ser Gly
20

<210> 1552

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1552

His Leu Cys Val Leu Glu Glu Leu Leu Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1553

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1553

Pro Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Val Ser Leu Phe Gly
1 5 10 15

Gln Cys Gly Gly
20

<210> 1554

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1554

His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Gln Trp Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1555

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1555

Arg	Leu	Cys	Val	Leu	Glu	Glu	Gln	Phe	Trp	Gly	Gly	Ala	Leu	Phe	Gly
1				5					10					15	

Gln	Cys	Ser	Gly
			20

<210> 1556

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1556

Gln	Leu	Cys	Val	Leu	Glu	Glu	Leu	Phe	Trp	Gly	Val	Ser	Leu	Phe	Ala
1				5					10					15	

Gln	Cys	Ser	Gly
			20

<210> 1557

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1557

His	Leu	Cys	Val	Leu	Glu	Glu	Leu	Phe	Trp	Gly	Ala	Ala	Leu	Phe	Gly
1				5					10					15	

Gln	Cys	Phe	Gly
			20

<210> 1558

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1558

Tyr	Leu	Cys	Val	Leu	Glu	Glu	Leu	Phe	Trp	Gly	Ala	Ser	Gln	Phe	Gly
1				5					10					15	

Gln Cys Ser Gly
20

<210> 1559
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1559
His Leu Cys Val Leu Glu Glu Leu Tyr Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1560
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1560
His Leu Cys Val Leu Glu Glu Arg Phe Trp Gly Val Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1561
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1561
Pro Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Arg Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1562

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1562

His Leu Cys Val Leu Glu Asp Leu Phe Trp Gly Ala Ser Leu Phe Asp
1 5 10 15

Gln Cys Ser Gly
20

<210> 1563

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1563

His Leu Cys Asp Leu Glu Val Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1564

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1564

Gln Leu Cys Ile Leu Glu Glu Gln Phe Trp Gly Thr Ser Leu Phe Gly
1 5 10 15

Tyr Cys Ser Gly
20

<210> 1565

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1565

Ala Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Glu Ser Leu Phe Gly
 1 5 10 15

Gln Cys Ser Gly
 20

<210> 1566

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1566

Arg Leu Cys Val Leu Glu Glu Arg Phe Trp Gly Ala Ala Leu Phe Gly
 1 5 10 15

Gln Cys Ser Gly
 20

<210> 1567

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1567

Pro Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
 1 5 10 15

Gln Cys Ser Gly
 20

<210> 1568

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1568

Ser Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Gly Ser Arg Phe Gly
 1 5 10 15

Gln Cys Ser Gly
20

<210> 1569
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1569
His Leu Cys Leu Leu Glu Glu Gln Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Tyr Cys Phe Glu
20

<210> 1570
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1570
His Leu Cys Val Leu Glu Glu Gln Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1571
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1571
Asp Leu Cys Leu Leu Glu Glu Leu Leu Trp Gly Ala Ser Arg Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1572

<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1572
Tyr Leu Cys Val Leu Glu Glu Arg Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15
Gln Cys Ser Gly
20

<210> 1573
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1573
His Leu Cys Val Leu Glu Glu Gln Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15
Ser Cys Ser Gly
20

<210> 1574
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1574
Gln Leu Cys Val Leu Glu Glu Gln Leu Trp Gly Ala Ser Leu Phe Gly
1 5 10 15
Gln Cys Ser Gly
20

<210> 1575
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic

peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1575

His	Leu	Cys	Val	Leu	Glu	Glu	Leu	Phe	Xaa	Gly	Glu	Ser	Leu	Phe	Gly
1				5					10					15	

Tyr	Cys	Ser	Gly
			20

<210> 1576

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1576

His	Leu	Cys	Val	Leu	Glu	Glu	Leu	Phe	Trp	Gly	Ala	Ser	Leu	Phe	Gly
1				5					10					15	

Gln	Cys	Ser	Gly
			20

<210> 1577

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1577

Pro	Leu	Cys	Val	Leu	Glu	Glu	Leu	Phe	Trp	Gly	Ala	Ser	His	Phe	Gly
1				5					10					15	

Gln	Cys	Ser	Gly
			20

<210> 1578

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1578

His Leu Cys Val Leu Glu Glu Leu Val Trp Gly Ala Ser Leu Phe Gly
 1 5 10 15

Gln Cys Ala Gly
 20

<210> 1579

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1579

Gln Leu Cys Val Leu Glu Glu Leu Ile Trp Gly Ala Ser Leu Phe Gly
 1 5 10 15

Gln Cys Ala Gly
 20

<210> 1580

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1580

His Leu Cys Gly Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
 1 5 10 15

Gln Cys Ser Gly
 20

<210> 1581

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1581

His Leu Cys Val Leu Glu Glu Leu Val Trp Gly Glu Ser Leu Phe Gly
 1 5 10 15

Gln Cys Ser Gly
 20

<210> 1582

<211> 20

<212> PRT

<213> Artificial Sequence .

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1582

Arg Leu Cys Val Leu Glu Glu Leu Tyr Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1583

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1583

Arg Leu Cys Ile Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1584

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1584

His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Thr Leu Phe Asp
1 5 10 15

Gln Cys Ser Gly
20

<210> 1585

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1585

His	Leu	Cys	Phe	Leu	Glu	Glu	Leu	Phe	Trp	Gly	Ala	Ser	Met	Phe	Gly
1				5					10					15	

Gln	Cys	Ser	Gly
			20

<210> 1586

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1586

His	Leu	Cys	Ile	Val	Glu	Glu	Leu	Phe	Trp	Ala	Ala	Pro	Leu	Phe	Gly
1				5					10					15	

Gln	Cys	Ser	Gly
			20

<210> 1587

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1587

His	Leu	Cys	Val	Leu	Glu	Glu	Leu	Trp	Trp	Gly	Ala	Ser	Leu	Phe	Ala
1				5					10					15	

Gln	Cys	Ser	Ala
			20

<210> 1588

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1588

Asn	Leu	Cys	Ala	Leu	Glu	Glu	Leu	Phe	Trp	Gly	Ala	Ser	Gln	Phe	Arg
1				5					10					15	

Tyr Cys Pro Gly
20

<210> 1589
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1589
Arg Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1590
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1590
Pro Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Pro Gly
20

<210> 1591
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1591
Asn Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1592

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1592

Gln Leu Cys Val Leu Gly Xaa Arg Phe Trp Gly Gly Ser Leu Cys Gly
1 5 10 15

Tyr Cys Ser Asp
20

<210> 1593

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1593

Pro Leu Cys Phe Leu Gln Glu Leu Phe Gly Gly Ala Ser Leu Gly Gly
1 5 10 15

Tyr Cys Ser Gly
20

<210> 1594

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1594

Phe Met Cys Gly Leu Gln Glu Leu Val Gly Gly Ala Ala Leu Leu Gly
1 5 10 15

His Cys Ser Gly
20

<210> 1595

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1595

Pro Leu Cys Phe Leu Gln Glu Leu Phe Gly Gly Gly Ser Leu Ser Gly
1 5 10 15

Tyr Cys Ser Gly
20

<210> 1596

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1596

Phe Leu Cys Gly Leu Glu Glu Leu Ala Trp Gly Val Ser Arg Ser Gly
1 5 10 15

Tyr Cys Phe Gly
20

<210> 1597

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1597

Pro Leu Cys Phe Leu Ala Glu Leu Phe Ser Gly Ser Ala Leu Gly Gly
1 5 10 15

Asp Cys Ser Arg
20

<210> 1598

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1598

Pro Leu Cys Val Leu Gln Glu Leu Phe Gly Gly Gly Ser Leu Gly Gly
 1 5 10 15

Tyr Cys Ser Gly
 20

<210> 1599

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1599

Gln Leu Cys Val Leu Glu Xaa Leu Phe Trp Gly Ala Cys Leu Phe Gly
 1 5 10 15

Tyr Cys Ala Gly
 20

<210> 1600

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1600

Phe Leu Cys Gly Leu Gln Glu Leu Ser Gly Val Ala Ser Leu Phe Gly
 1 5 10 15

Gln Cys Ser Gly
 20

<210> 1601

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1601

Arg Val Cys Val Leu Glu Gln Leu Val Trp Gly Ala Ser Leu Phe Gly
 1 5 10 15

Ala Xaa Ser Gly
 20

<210> 1602

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1602

Phe Tyr Cys Gly Leu Glu Glu Leu Ser Trp Gly Ala Ala Leu Phe Gly
 1 5 10 15

Tyr Cys Ser Gly
 20

<210> 1603

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1603

Phe Leu Cys Gly Leu Glu Glu Leu Ser Gln Gly Ala Val Leu Phe Gly
 1 5 10 15

His Cys Tyr Gly
 20

<210> 1604

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1604

His Leu Cys Val Leu Val Gly Leu Phe Trp Asp Ala Ser Leu Phe Gly
 1 5 10 15

Gln Cys Ser Gly
 20

<210> 1605
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1605
Gln Arg Cys Ile Arg Ala Ala Leu Phe Trp Cys Ala Thr Leu Leu Gly
1 5 10 15
Gly Cys Ala Gly
20

<210> 1606
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1606
His Gln Cys Ile Pro Asp Gly Met Ser Gln Gly Ala Ala Leu Arg Gly
1 5 10 15
Asn Cys Ser Asp
20

<210> 1607
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1607
His Leu Cys Val Leu Glu Asp Glu Leu Trp Gly Val Ser Leu Phe Gly
1 5 10 15
Tyr Cys Ser Ser
20

<210> 1608
<211> 20
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1608

His	Leu	Cys	Val	Leu	Glu	Glu	Leu	Phe	Trp	Gly	Ala	Ser	Leu	Phe	Gly
1				5					10					15	

Tyr	Cys	Ser	Gly
			20

<210> 1609

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1609

His	Leu	Cys	Met	Leu	Glu	Glu	Gln	Phe	Trp	Gly	Ala	Ser	Leu	Phe	Ser
1				5					10					15	

Arg	Cys	Ser	Gly
			20

<210> 1610

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1610

Thr	Cys	Ala	Phe	Trp	Lys	Asn	Gly	Ser	Gly	Val	Arg	Arg	Cys	Ser	Val
1				5					10					15	

Thr	Ala	Val	Val
			20

<210> 1611

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1611

Pro Leu Cys Gly Leu Lys Asn Gln Ser Gly Val Arg Leu Cys Ser Ser
 1 5 10 15

Pro Ala Leu Val
 20

<210> 1612

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1612

Pro Leu Cys Leu Gln Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
 1 5 10 15

Tyr Cys Ser Gly
 20

<210> 1613

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1613

Pro Leu Cys Asp Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
 1 5 10 15

Asp Cys Pro Gly
 20

<210> 1614

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1614

Asp Leu Cys Val Leu Glu Glu Leu Phe Trp Asp Gly Ser Leu Phe Ala
 1 5 10 15

Ser Cys Ser Gly
 20

<210> 1615

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1615

Pro Leu Cys Val Leu Glu Glu Gln Leu Trp Gly Thr Ala Leu Phe Gly
1 5 10 15

Ser Cys Thr Gly
20

<210> 1616

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1616

Pro Leu Cys Leu Val Glu Glu Leu Leu Trp Gly Ala Ser Leu Phe Ser
1 5 10 15

Gln Cys Thr Gly
20

<210> 1617

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1617

Pro Leu Cys Asp Leu Glu Glu Leu Tyr Trp Gly Ala Ala Leu Phe Gly
1 5 10 15

Ser Cys Ser Gly
20

<210> 1618

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1618

Gly	Leu	Cys	Phe	Leu	Glu	Glu	Gln	Phe	Trp	Gly	Thr	Ser	Leu	Phe	Arg
1				5					10					15	

Asp	Cys	Pro	Gly
			20

<210> 1619

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1619

Pro	Leu	Cys	Val	Val	Glu	Glu	Leu	Phe	Trp	Gly	Ala	Ser	Leu	Tyr	Gly
1				5					10					15	

Gln	Cys	Ser	Gly
			20

<210> 1620

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1620

Arg	Leu	Cys	Val	Leu	Glu	Glu	Leu	Phe	Trp	Gly	Ala	Ser	Arg	Phe	Arg
1				5					10					15	

Gly	Cys	Ser	Gly
			20

<210> 1621

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1621

Pro	Leu	Cys	Val	Leu	Glu	Glu	Leu	His	Trp	Gly	Ala	Ala	Leu	Phe	Gly
1				5					10					15	

Tyr Cys Ser Gly
20

<210> 1622
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1622
Asn Leu Cys Val Val Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Pro
1 5 10 15

Asn Cys Ser Gly
20

<210> 1623
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1623
Gln Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Met Phe Glu
1 5 10 15

Asp Cys Ser Gly
20

<210> 1624
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1624
His Leu Cys Val Leu Glu Glu Gln Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1625
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1625
 Pro Leu Cys Val Leu Glu Glu Ile Tyr Trp Gly Ala Ala Leu Phe Gly
 1 5 10 15
 Asp Cys Tyr Gly
 20

<210> 1626
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1626
 Pro Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Leu Ser Leu Asp Lys
 1 5 10 15
 Asn Cys Ser

<210> 1627
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1627
 Gln Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Ser
 1 5 10 15
 Gly Cys Ser Gly
 20

<210> 1628
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1628

Pro Leu Cys Asp Leu Glu Ala Leu Phe Trp Gly Glu Ser Leu Phe Gly
 1 5 10 15

Gly Cys Ser Gly
 20

<210> 1629

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1629

His Leu Cys Val Leu Glu Glu Met Phe Trp Gly Thr Ser His Phe Asp
 1 5 10 15

Gly Cys Ser Gly
 20

<210> 1630

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1630

Asp Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Pro Leu Phe Gly
 1 5 10 15

Leu Cys Ser Gly
 20

<210> 1631

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1631

Asp Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Val Ala Leu Tyr Gly
 1 5 10 15

Gly Cys Ser Gly
20

<210> 1632
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1632
Gln Leu Cys Val Leu Glu Glu Leu Tyr Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

His Cys Ser Gly
20

<210> 1633
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1633
His Leu Cys Val Leu Glu Asp Arg Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Pro Cys Ser Gly
20

<210> 1634
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1634
His Leu Cys Gly Met Glu Glu Met Phe Trp Gly Val Ala Leu Phe Arg
1 5 10 15

Asn Cys Ser Gly
20

<210> 1635

<211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1635
 Pro Leu Cys Val Leu Glu Gln Leu Tyr Trp Gly Glu Ser Leu Phe Val
 1 5 10 15

Tyr Cys Ser Gly
 20

<210> 1636
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1636
 His Leu Cys Leu Leu Glu Glu Leu Phe Trp Gly Glu Ala Leu Trp Gly
 1 5 10 15

Tyr Cys Ser Gly
 20

<210> 1637
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1637
 Gln Leu Cys Val Met Glu Glu Leu Phe Trp Gly Ala Ser Arg Phe Gly
 1 5 10 15

Gln Cys Ser Gly
 20

<210> 1638
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic

peptide

<400> 1638

His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Met Phe Gly
 1 5 10 15

Gln Cys Ser Gly
 20

<210> 1639

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1639

Gln Leu Cys Val Leu Glu Glu Met Phe Trp Gly Gly Ser Arg Phe Val
 1 5 10 15

Gln Cys Ser Ala
 20

<210> 1640

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1640

Pro Leu Cys Ile Leu Glu Glu Leu Phe Trp Gly Glu Ala Leu Phe Asp
 1 5 10 15

Gln Cys Gly Ala
 20

<210> 1641

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1641

Tyr Leu Cys Val Gln Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
 1 5 10 15

Tyr Cys Ser Val
20

<210> 1642
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1642
His Leu Cys Ala Leu Glu Glu Ala Phe Phe Gly Pro Ser Leu Phe Asn
1 5 10 15

Ser Cys Gln Gly
20

<210> 1643
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1643
His Leu Cys Val Leu Glu Glu Arg Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1644
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1644
Gln Leu Cys Asp Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Tyr Cys Pro Gly
20

<210> 1645
<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1645

His Leu Cys Val Leu Glu Glu Arg Phe Trp Gly Ala Ser Ile Trp Gly
 1 5 10 15

Ser Cys Ser Gly
 20

<210> 1646

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1646

Gln Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Gly Ser Leu Trp Gly
 1 5 10 15

Gln Cys Ser Arg
 20

<210> 1647

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1647

Pro Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ala Gln Phe Gly
 1 5 10 15

Gln Cys Ser Gly
 20

<210> 1648

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1648

Gln Leu Cys Asp Leu Glu Glu Arg Phe Trp Gly Val Ser Leu Phe Gly
 1 5 10 15

Leu Cys Ser Gly
 20

<210> 1649

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1649

Gln Leu Cys Val Leu Glu Glu Val Phe Trp Gly Ala Ser Leu Phe Gly
 1 5 10 15

Leu Cys Thr Gly
 20

<210> 1650

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1650

Gln Leu Gln Asp Leu Asn Thr Trp Ser Gly Leu Cys Leu Cys Ser Val
 1 5 10 15

Thr Val Arg Val
 20

<210> 1651

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1651

Asp Leu Cys Val Leu Glu Glu Ser Leu Trp Gly Lys Ala Leu Phe Gly
 1 5 10 15

Tyr Cys Ser Asp
 20

<210> 1652
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1652
His Leu Cys Val Leu Glu Glu Val Phe Trp Gly Ser Ser Met Phe Gly
1 5 10 15
Asp Cys Ser Gly
20

<210> 1653
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1653
His Leu Cys Asp Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15
Asp Cys Gln Gly
20

<210> 1654
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1654
Gln Leu Cys Val Leu Asp Ala Leu Met Trp Gly Gly Cys Arg Leu Gly
1 5 10 15
His Gln Cys Gly
20

<210> 1655
<211> 20
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1655

Gln Leu Cys Val Leu Glu Glu Lys Phe Trp Gly Thr Ser Leu Phe Gly
1 5 10 15

Asp Cys Met Gly
20

<210> 1656

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1656

His Leu Cys Val Leu Glu Glu Val Phe Trp Gly Ala Ala Gln Phe Gly
1 5 10 15

Ser Cys Ser Gly
20

<210> 1657

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1657

Gln Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Pro Ser Met Phe Gly
1 5 10 15

Tyr Cys Ser Gly
20

<210> 1658

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1658

His Leu Cys Asp Leu Glu Glu Leu Phe Trp Gly Ala Ser Gly Phe Ala
 1 5 10 15

Gln Cys Tyr Gly
 20

<210> 1659

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1659

Asp Leu Cys Val Leu Glu Glu Arg Phe Trp Gly Ala Ser Leu Phe Gly
 1 5 10 15

Gln Cys Ser Gly
 20

<210> 1660

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1660

Gln Leu Cys Val Leu Glu Glu Leu His Trp Gly Ala Ser Leu Phe Gly
 1 5 10 15

Tyr Cys Ser Gly
 20

<210> 1661

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1661

Pro Leu Cys Val Leu Glu Glu Gln Phe Trp Gly Ala Ser Leu Phe Gly
 1 5 10 15

Gln Cys Ser Gly
 20

<210> 1662

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1662

Tyr Leu Cys Asp Leu Glu Glu Arg Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Ser
20

<210> 1663

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1663

His Leu Cys Leu Leu Glu Glu Arg Phe Trp Gly Ser Ser Gln Phe Gly
1 5 10 15

Phe Cys Ser Gly
20

<210> 1664

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1664

His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Gln Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1665

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1665

His Leu Cys Tyr Leu Glu Glu Arg Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1666

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1666

His Leu Cys Val Met Glu Glu Leu Phe Trp Gly Thr Ser Leu Phe Gly
1 5 10 15

Gln Cys Thr Gly
20

<210> 1667

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1667

His Leu Cys Val Leu Glu Glu Arg Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1668

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1668

His Leu Cys Val Leu Glu Glu Arg Phe Trp Gly Ala Ser Leu Phe Ser
 1 5 10 15

Gln Cys Ser Gly
 20

<210> 1669

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1669

His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
 1 5 10 15

Gln Cys Ser Gly
 20

<210> 1670

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1670

Gln Leu Cys Leu Leu Glu Glu Leu Phe Trp Gly Ala Ala Ser Phe Gly
 1 5 10 15

Gln Cys Ser Gly
 20

<210> 1671

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1671

His Leu Cys Val Leu Glu Glu Met Phe Trp Gly Ala Ser Leu Phe Gly
 1 5 10 15

Gln Cys Ser Gly
 20

<210> 1672
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<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1672
His Leu Cys Asp Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Ser
1 5 10 15
Gln Cys Ser Arg
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<210> 1673
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1673
Gln Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Gln Phe Gly
1 5 10 15
Tyr Cys Ser Gly
20

<210> 1674
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1674
Gln Leu Cys Ala Leu Glu Glu Gln Phe Trp Gly Ala Ser Leu Phe Ser
1 5 10 15
Gln Cys Ser Gly
20

<210> 1675
<211> 20
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1675

Gln Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Tyr Cys Ser Gly
20

<210> 1676

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1676

His Leu Cys Val Leu Glu Glu Trp Phe Trp Gly Asp Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Arg
20

<210> 1677

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1677

His Leu Cys Val Leu Glu Glu Arg Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
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<210> 1678

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1678

Gln Leu Cys Glu Leu Glu Glu Val Phe Trp Gly Ala Ser Leu Phe Asp

Tyr Cys Ser Gly
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<210> 1679
<211> 20
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<220>
<223> Description of Artificial Sequence: synthetic
      peptide
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<400> 1679
His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Arg Phe Gly
1 5 10 15

Gln Cys Ser Gly
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<210> 1680
<211> 20
<212> PRT
<213> Artificial Sequence
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<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1680
His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Ala
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<210> 1681
<211> 20
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<220>
<223> Description of Artificial Sequence: synthetic
      peptide
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<400> 1681
His Leu Cys Val Leu Glu Glu Leu Ile Trp Gly Ala Ser Arg Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1682
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1682
His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Gly Ser Leu Phe Ile
1 5 10 15

Gln Cys Ser Gly
20

<210> 1683
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1683
Gln Leu Cys Val Leu Glu Glu Gln Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Asn Cys Ser Gly
20

<210> 1684
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1684
His Leu Cys Val Leu Glu Glu Arg Phe Trp Gly Ala Ala Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1685
<211> 20
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1685

His Leu Cys Ile Leu Glu Glu Met Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Gly Gly
20

<210> 1686

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1686

Pro Leu Cys Val Leu Glu Glu Leu Val Trp Gly Ala Ser Leu Phe Val
1 5 10 15

Gln Cys Ser Gly
20

<210> 1687

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1687

Asn Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Glu Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1688

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1688

His Leu Cys Val Leu Glu Glu Gln Phe Trp Gly Gly Ser Leu Phe Gly
1 5 10 15

Tyr Cys Ser Arg
20

<210> 1689

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1689

His Leu Cys Phe Leu Glu Glu Val Phe Trp Gly Ala Ala Leu Phe Ala
1 5 10 15

Gln Cys Ser Gly
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<210> 1690

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1690

His Leu Cys Asp Leu Glu Val Leu Phe Trp Gly Ser Ala Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1691

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1691

His Leu Cys Val Met Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1692

<211> 20
<212> PRT
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<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1692
His Leu Cys Val Leu Glu Glu Arg Phe Trp Gly Ala Ser Leu Phe Trp
1 5 10 15
Gln Cys Ser Gly
20

<210> 1693
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1693
His Leu Cys Val Leu Glu Glu Gln Tyr Trp Gly Glu Ser Leu Phe Gly
1 5 10 15
Tyr Cys Ser Gly
20

<210> 1694
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
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peptide

<400> 1694
Pro Leu Cys Val Leu Glu Glu Gln Phe Trp Gly Ala Ser Leu Phe Ala
1 5 10 15
Tyr Cys Ser Ser
20

<210> 1695
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic

peptide

<400> 1695

Gln Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Glu Ser Leu Phe Ala
 1 5 10 15

Gln Cys Leu Gly
 20

<210> 1696

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1696

His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Gln Ser Leu Phe Gly
 1 5 10 15

His Cys Ser Asp
 20

<210> 1697

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1697

His Leu Cys Val Leu Glu Glu Leu Val Trp Gly Ala Ser Leu Phe Gly
 1 5 10 15

Phe Cys Ser Gly
 20

<210> 1698

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1698

Leu Leu Cys Val Leu Glu Glu Gln Phe Trp Gly Ala Ser Leu Phe Gly
 1 5 10 15

Gln Cys Ser Gly
20

<210> 1699
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1699
Arg Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Glu Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1700
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1700
His Leu Cys Val Leu Glu Glu Met Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Asn Cys Ser Gly
20

<210> 1701
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1701
Glu Leu Cys Phe Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1702
<211> 20

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1702
His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Tyr Gly
1 5 10 15

Gln Cys Ser Ser
20

<210> 1703
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1703
His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Ala
1 5 10 15

Gln Cys Pro Gly
20

<210> 1704
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1704
Asn Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Glu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1705
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1705

Asp Leu Cys Val Leu Glu Glu Gln Leu Trp Gly Ala Ser Leu Phe Arg
1 5 10 15

Tyr Cys Ser Gly
20

<210> 1706

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1706

His Leu Cys Val Leu Glu Glu Gln Phe Trp Gly Val Ala Leu Phe Gly
1 5 10 15

Asn Cys Ser Gly
20

<210> 1707

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1707

His Leu Cys Val Leu Glu Val Gln Ile Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1708

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1708

His Leu Cys Val Leu Glu Glu Arg Phe Trp Gly Gly Ala Leu Phe Gly
1 5 10 15

Gln Cys Thr Ala
20

<210> 1709
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1709
His Leu Cys Asp Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15
Gln Cys Ser Gly
20

<210> 1710
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1710
Gln Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Thr Ser Leu Phe Ala
1 5 10 15
Gly Cys Ser Gly
20

<210> 1711
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1711
Gln Leu Cys Gly Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15
Tyr Cys Ser Ala
20

<210> 1712
<211> 20
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1712

His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Ser
20

<210> 1713

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1713

Phe Leu Cys Val Leu Glu Glu Leu Tyr Trp Gly Ala Ser Gln Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1714

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1714

His Leu Cys Val Leu Glu Glu Gln Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Tyr Cys Ser Gly
20

<210> 1715

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1715

Arg Leu Cys Ala Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
 1 5 10 15

Gln Cys Ser Gly
 20

<210> 1716

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1716

His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ala Leu Phe His
 1 5 10 15

Gln Cys Ser Gly
 20

<210> 1717

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1717

Arg Leu Cys Val Leu Glu Glu Gln Phe Trp Gly Ala Ser Leu Phe Gly
 1 5 10 15

Gln Cys Ser Gly
 20

<210> 1718

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1718

Gln Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ser Ser Arg Leu Gly
 1 5 10 15

Tyr Cys Ser Gly
 20

<210> 1719
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1719
Asp Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1720
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1720
Gln Leu Cys Leu Leu Glu Glu Gln Phe Trp Gly Gly Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1721
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1721
His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Thr Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1722
<211> 20
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1722

Arg Leu Cys Val Leu Glu Glu Leu Val Trp Gly Ala Ser Leu Phe Asp
1 5 10 15Gln Cys Ser Arg
20

<210> 1723

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1723

Pro Leu Gln Ala Leu Cys Glu Lys Phe Phe Gly Ala Trp Met Phe Gly
1 5 10 15Tyr Cys Ser Gly
20

<210> 1724

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1724

His Leu Gln Val Leu Cys Glu Leu Phe Gly Gly Val Tyr Leu Phe Gly
1 5 10 15Tyr Cys Ser Gly
20

<210> 1725

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1725

Pro Leu Phe Asp Leu Cys Glu Leu Phe Gly Gly Ala Ser Leu Ser Gly
 1 5 10 15

Tyr Cys Tyr Gly
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<210> 1726

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1726

His Leu Xaa Ala Leu Cys Glu Leu Phe Gly Gly Val Trp Ser Phe Gly
 1 5 10 15

Tyr Cys Val Gly
 20

<210> 1727

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1727

Gln Leu Gly Val Leu Cys Glu Met Phe Gly Gly Ala Phe Arg Leu Gly
 1 5 10 15

Tyr Cys Gln Gly
 20

<210> 1728

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1728

His Leu Gln Asp Leu Cys Glu Leu Phe Gly Gly Ala Tyr Leu Phe Gly
 1 5 10 15

Tyr Cys Ser Gly
20

<210> 1729
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1729
Gln Leu Gln Val Leu Cys Glu Leu Phe Gly Gly Ala Val Ser Leu Arg
1 5 10 15

Leu Leu Leu Trp
20

<210> 1730
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1730
Pro Leu Gly Val Leu Cys Glu Gln Phe Gly Gly Ala Phe Arg Phe Gly
1 5 10 15

Tyr Cys Ser Gly
20

<210> 1731
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 1731
Pro Leu Xaa Gly Leu Cys Glu Leu Phe Gly Gly Ala Ser Leu Phe Gly
1 5 10 15

Tyr Cys Ser Ser
20

<210> 1732
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1732
Asp Leu Arg Val Leu Cys Glu Leu Phe Gly Gly Ala Tyr Val Leu Gly
1 5 10 15
Tyr Cys Ser Glu
20

<210> 1733
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1733
Glu Ile Glu Ala Glu Trp Gly Arg Val Arg Cys Leu Val Tyr Gly Arg
1 5 10 15
Cys Val Gly Gly
20

<210> 1734
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1734
Glu Ile Glu Ala Glu Trp Gly Arg Val Arg Cys Leu Val Tyr Gly Arg
1 5 10 15
Cys Val Gly Gly
20

<210> 1735
<211> 20
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1735

Trp	Leu	Asp	Gln	Glu	Trp	Ala	Trp	Val	Gln	Cys	Glu	Val	Tyr	Gly	Arg
1				5				10						15	

Gly	Cys	Pro	Ser
			20

<210> 1736

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1736

Trp	Leu	Asp	Gln	Glu	Trp	Ala	Trp	Val	Gln	Cys	Glu	Val	Tyr	Gly	Arg
1				5				10						15	

Gly	Cys	Pro	Ser
			20

<210> 1737

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1737

Trp	Leu	Asp	Leu	Glu	Trp	Ala	Gln	Val	Gln	Cys	Glu	Val	Tyr	Gly	Arg
1				5				10						15	

Gly	Cys	Pro	Ser
			20

<210> 1738

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1738

Trp	Leu	Asp	Gln	Glu	Trp	Ala	Gln	Val	Gln	Cys	Glu	Val	Phe	Gly	Arg
1				5				10						15	

Gly Cys Pro Ser
20

<210> 1739
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1739
Trp Leu Asp Gln Glu Trp Gln Gln Val Gln Cys Gln Val Tyr Gly Arg
1 5 10 15

Gly Cys Thr Ser
20

<210> 1740
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1740
Arg Leu Asp Glu Glu Trp Ala Arg Val Gln Cys Glu Val Trp Gly Arg
1 5 10 15

Gly Cys Arg Ser
20

<210> 1741
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1741
Trp Leu Glu Gln Glu Trp Ala Trp Ile Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1742
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1742
Trp Leu Glu Gln Glu Trp Ala Gln Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15
Gly Cys Pro Ser
20

<210> 1743
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1743
Trp Leu Asp Glu Glu Trp Glu Trp Ile Gln Cys Lys Val Tyr Gly Arg
1 5 10 15
Gly Cys Pro Ala
20

<210> 1744
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1744
Trp Leu Glu Gln Glu Trp Ala Trp Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15
Gly Cys Gln Ser
20

<210> 1745
<211> 20
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1745

Trp Leu Asp Gln Glu Trp Ala Trp Ile Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ala
20

<210> 1746

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1746

Ser Leu Asp Trp Glu Trp Ala Trp Leu Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1747

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1747

Trp Leu Glu Gln Glu Trp Glu Gln Val Arg Cys Leu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Pro
20

<210> 1748

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1748

Trp Leu Asp Gln Glu Trp Ala Trp Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Tyr
20

<210> 1749
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1749
Trp Leu Asp Gln Glu Trp Ala Gly Val Leu Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1750
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1750
Ser Leu Asp Lys Glu Trp Glu Trp Val Leu Cys Val Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1751
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1751
Trp Leu Glu Gln Glu Trp Ala Gln Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Arg Ser
20

<210> 1752

<211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1752
 Trp Leu Glu Glu Trp Ala Gln Val Gln Cys Ala Val Tyr Gly Arg
 1 5 10 15

Gly Cys Ser Ser
 20

<210> 1753
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1753
 Trp Leu Asp Gln Glu Trp Ala Leu Val Gln Cys Glu Val Tyr Gly Arg
 1 5 10 15

Gly Cys Pro Ser
 20

<210> 1754
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1754
 Trp Leu Asp Gln Glu Trp Ala Trp Val Gln Cys Glu Val Tyr Gly Arg
 1 5 10 15

Gly Cys Pro Ser
 20

<210> 1755
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic

peptide

<400> 1755

Trp Leu Glu Gln Glu Trp Ala Trp Val Gln Cys Glu Val Tyr Gly Arg
 1 5 10 15

Gly Cys Ala Ser
 20

<210> 1756

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1756

Trp Leu Asp Gln Glu Trp Ala Trp Val Glu Cys Glu Val Tyr Gly Arg
 1 5 10 15

Arg Cys Pro Ser
 20

<210> 1757

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1757

Trp Leu Asp Gln Glu Trp Ala Trp Val Glu Cys Gln Val Tyr Gly Arg
 1 5 10 15

Gly Cys Pro Ser
 20

<210> 1758

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1758

Gln Leu Asp Gln Glu Trp Ala Trp Val Leu Cys Lys Val Tyr Gly Arg
 1 5 10 15

Gly Cys Pro Ser
20

<210> 1759

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1759

Trp Leu Asp His Glu Xaa Ala Trp Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1760

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1760

Gln Leu Glu Gln Glu Trp Ala Trp Val Arg Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Ser Ser
20

<210> 1761

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1761

Trp Leu Asp Gln Glu Trp Ala Trp Val Gln Cys Gln Val Tyr Gly Arg
1 5 10 15

Gly Cys Leu Ser
20

<210> 1762
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1762
Trp Leu Asp Gln Glu Trp Ala Trp Val Arg Cys Glu Val Tyr Gly Leu
1 5 10 15
Gly Cys Pro Ser
20

<210> 1763
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1763
Trp Leu Asp Gln Glu Trp Ala Val Met Lys Cys Glu Leu Tyr Gly Arg
1 5 10 15
Gly Cys Pro Ser
20

<210> 1764
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1764
Trp Leu Glu Gln Glu Trp Ala Trp Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15
Gly Cys Leu Ser
20

<210> 1765
<211> 20
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1765

Ser	Leu	Asp	Gln	Glu	Trp	Ala	Trp	Val	Gln	Cys	Glu	Val	Tyr	Gly	Arg
1				5				10					15		

Gly	Cys	Leu	Ser
		20	

<210> 1766

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1766

Trp	Leu	Asp	His	Glu	Trp	Ala	Trp	Val	Gln	Cys	Glu	Val	Tyr	Gly	Arg
1				5				10					15		

Gly	Cys	Thr	Ser
		20	

<210> 1767

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1767

Trp	Leu	Asp	Val	Glu	Trp	Ala	Trp	Val	Gln	Cys	Glu	Val	Tyr	Gly	Arg
1				5				10					15		

Gly	Cys	Pro	Ser
		20	

<210> 1768

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1768

Gln	Leu	Asp	Gln	Glu	Trp	Ala	Arg	Val	Arg	Cys	Glu	Val	Trp	Gly	Arg
1				5				10					15		

Gly Cys Ser Ser
20

<210> 1769
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1769
Trp Leu Asp Leu Glu Trp Ala Gln Val Gln Cys Lys Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1770
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1770
Trp Leu Asp Glu Glu Trp Ala Trp Val Gln Cys Gln Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1771
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1771
Trp Leu Asp Gln Glu Trp Ala Trp Val Gln Cys Glu Val Trp Gly Arg
1 5 10 15

Gly Cys Ala Phe
20

<210> 1772
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1772
Trp Leu Asp Arg Glu Trp Ala Gln Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15
Gly Cys Leu Ser
20

<210> 1773
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1773
Trp Leu Asp Ala Glu Trp Glu Trp Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15
Gly Cys Arg Pro
20

<210> 1774
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1774
Ser Leu Asp Arg Glu Trp Ala Tyr Val Gln Cys Gln Val Tyr Gly Arg
1 5 10 15
Gly Cys Ser Ser
20

<210> 1775
<211> 20
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1775

Arg Leu Asp Leu Glu Trp Ala Asn Ile Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1776

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1776

Trp Leu Glu Gln Glu Trp Ala Arg Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Ser Ser
20

<210> 1777

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1777

Trp Leu Glu Gln Glu Trp Ile Leu Val Glu Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Thr
20

<210> 1778

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1778

Trp Leu Glu Gln Glu Trp Ala Gln Val Gln Cys Glu Val Trp Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1779
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1779
Trp Leu Asp Gln Glu Trp Glu Trp Ile Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Leu
20

<210> 1780
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1780
Leu Leu Asp Glu Glu Trp Ala Gln Ile Glu Cys Glu Ile Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1781
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1781
Ala Leu Glu Glu Glu Trp Ala Trp Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys His Phe
20

<210> 1782

<211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<220>
 <223> Xaa represents a variable or unknown amino acid

<400> 1782
 Cys Xaa Glu Gln Glu Trp Gly Leu Val Gln Cys Glu Val Tyr Gly Arg
 1 5 10 15

Gly Cys Pro Ser
 20

<210> 1783
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1783
 Trp Leu Glu Gln Glu Trp Ala Tyr Val Gln Cys Glu Val Tyr Gly Arg
 1 5 10 15

Gly Cys Pro Ser
 20

<210> 1784
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1784
 Trp Leu Glu His Glu Trp Ala Gln Val Gln Cys Glu Val Trp Gly Arg
 1 5 10 15

Gly Cys Pro Tyr
 20

<210> 1785
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1785

Trp Leu Glu Gln Glu Trp Ala Glu Val Arg Cys Glu Val Tyr Gly Arg
 1 5 10 15

Gly Cys Pro Arg
 20

<210> 1786

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1786

Xaa Leu Glu Gln Glu Trp Ala Trp Val Gln Cys Glu Val Tyr Gly Arg
 1 5 10 15

Gly Cys Pro Ser
 20

<210> 1787

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1787

Trp Leu Glu Gln Glu Trp Ala Gly Ile Gln Cys Lys Val Tyr Gly Arg
 1 5 10 15

Gly Cys Pro Ser
 20

<210> 1788

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<400> 1788

Arg Leu Glu Gln Glu Trp Ala Gln Val Gln Cys Glu Val Trp Gly Arg
 1 5 10 15

Gly Cys Leu Pro
 20

<210> 1789

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1789

Gln Leu Asp His Glu Trp Ala Gly Ile Gln Cys Glu Val Trp Gly Arg
 1 5 10 15

Gly Cys Pro Ser
 20

<210> 1790

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1790

Trp Leu Glu Gln Glu Trp Ala Gln Ile Gln Cys Glu Val Tyr Gly Ala
 1 5 10 15

Gly Cys Arg Ser
 20

<210> 1791

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1791

Ser Leu Glu Gln Glu Trp Ala Trp Val Gln Cys Val Val Tyr Gly Arg
 1 5 10 15

Gly Cys Pro Ile
20

<210> 1792

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1792

Trp Leu Glu Gln Glu Trp Asp Gln Val Leu Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Tyr
20

<210> 1793

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1793

Trp Leu Glu Gln Glu Trp Ala Gln Val Xaa Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Ala Xaa
20

<210> 1794

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1794

Trp Met Asp Gln Glu Trp Ala Trp Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1795
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1795
Gln Leu Asp Gln Glu Trp Ala Trp Ile Gln Cys Glu Val Tyr Gly Arg
1 5 10 15
Asn Cys Arg Thr
20

<210> 1796
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1796
Thr Leu Glu Gln Glu Trp Ala Gln Val Ile Cys Glu Val Tyr Gly Arg
1 5 10 15
Gly Cys Leu Ser
20

<210> 1797
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1797
Arg Leu Glu Gln Glu Trp Ala Gln Val Gln Cys Glu Val Trp Gly Arg
1 5 10 15
Gly Cys Leu Ser
20

<210> 1798
<211> 20
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1798

Trp	Leu	Asp	Gln	Glu	Trp	Ala	Leu	Val	Gln	Cys	Glu	Val	Tyr	Gly	Arg
1				5					10					15	

Gly	Cys	Pro	Ala
			20

<210> 1799

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1799

Trp	Leu	Asp	Gln	Glu	Trp	Ala	Gln	Ile	Gln	Cys	His	Val	Trp	Gly	Arg
1				5					10					15	

Gly	Cys	Pro	Ala
			20

<210> 1800

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1800

Trp	Leu	Glu	Gln	Glu	Trp	Ala	Trp	Val	Gln	Cys	Glu	Val	Tyr	Gly	Arg
1				5					10					15	

Gly	Cys	Pro	Ser
			20

<210> 1801

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1801

Arg	Leu	Glu	Glu	Glu	Trp	Ala	Trp	Val	Gln	Cys	Gln	Val	Tyr	Gly	Arg
1				5					10					15	

Gly Cys Pro Ser
20

<210> 1802
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1802
Trp Leu Glu Gln Glu Trp Val Arg Ile Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1803
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1803
Trp Leu Glu Gln Glu Trp Thr Trp Val Gln Cys Glu Val Tyr Gly Cys
1 5 10 15

Gly Cys Pro Ser
20

<210> 1804
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1804
Trp Leu Glu Lys Glu Trp Ala Gly Val Gln Cys Glu Ile Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1805
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1805
 Trp Leu Glu Glu Glu Trp Ala Trp Val Arg Cys Glu Val Tyr Gly Arg
 1 5 10 15

Gly Cys Gln Ser
 20

<210> 1806
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1806
 Trp Leu Glu His Glu Trp Ala Gln Ile Gln Cys Glu Leu Tyr Gly Arg
 1 5 10 15

Gly Cys Thr Tyr
 20

<210> 1807
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1807
 Ala Leu Glu Glu Glu Trp Ala Trp Val Gln Cys Glu Val Tyr Gly Arg
 1 5 10 15

Gly Cys Pro Ser
 20

<210> 1808
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1808

Trp Leu Glu Gln Glu Trp Ala Gln Val Gln Cys Glu Val Tyr Gly Arg
 1 5 10 15

Gly Cys Pro Ser
 20

<210> 1809

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1809

Trp Leu Asp Asp Glu Trp Ala Gln Ile Gln Cys Glu Ile Tyr Gly Arg
 1 5 10 15

Gly Cys Gln Ser
 20

<210> 1810

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1810

Gln Leu Glu Glu Glu Trp Ala Gly Val Gln Cys Glu Val Tyr Gly Arg
 1 5 10 15

Glu Cys Pro Ser
 20

<210> 1811

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1811

Trp Leu Glu Gln Glu Trp Leu Leu Val Gln Cys Gly Val Tyr Gly Arg
 1 5 10 15

Gly Cys Pro Ser
20

<210> 1812
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1812
Trp Leu Asp Gln Glu Trp Ala Trp Ile Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Arg Ser
20

<210> 1813
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1813
Trp Leu Glu Gln Glu Trp Ala Gln Val Gln Cys Glu Val Ser Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1814
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 1814
Trp Xaa Asp Gln Glu Trp Ala Leu Ile Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1815
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1815
Ser Leu Asp Glu Glu Trp Ala Gly Val Leu Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Phe
20

<210> 1816
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1816
Ser Val Asp Gln Glu Leu Glu Trp Leu Met Cys His Phe Gln Gly Arg
1 5 10 15

Val Cys Pro Ser
20

<210> 1817
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1817
Trp Leu Glu Gln Glu Arg Ala Trp Ile Trp Cys Glu Ile Gln Gly Ser
1 5 10 15

Gly Cys Arg Ala
20

<210> 1818
<211> 20
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1818

Trp	Val	Asn	Gln	Ala	Leu	Gly	Gly	Val	Gln	Ser	Asp	Val	Gln	Gly	Arg
1				5				10						15	

Arg	Cys	Gln	Ser
			20

<210> 1819

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1819

Leu	Leu	Asp	His	Glu	Trp	Pro	Trp	Val	Gly	Cys	Glu	Val	Cys	Gly	Arg
1				5				10						15	

Gly	Ser	Leu	Ser
			20

<210> 1820

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1820

Trp	Leu	His	Gln	Glu	Leu	Ala	Trp	Val	Arg	Gly	Glu	Gly	Tyr	Pro	Arg
1				5				10						15	

Gly	Arg	Arg	Ser
			20

<210> 1821

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1821

Trp Leu Gly His Asp Trp Ala Trp Ile Gln Cys Glu Val Tyr Gly Leu
 1 5 10 15

Gly Cys Pro Cys
 20

<210> 1822

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1822

Trp Ile Asp Gln Glu Gly Val Arg Val Gln Cys Glu Ala Xaa Gly Arg
 1 5 10 15

Ala Phe Pro Ser
 20

<210> 1823

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1823

Trp Arg Asp Glu Glu Trp Ala Trp Val Gln Gly Val Val Gln Gly Arg
 1 5 10 15

Gly Trp Pro Ala
 20

<210> 1824

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1824

Arg Leu Gly Val Glu Trp Ser Trp Phe Gln Arg Lys Val Tyr Gly Arg
 1 5 10 15

Asp Ser Thr Ser
20

<210> 1825
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1825
Trp Leu Ala Gln Gly Trp Ala Gly Val Gln Cys Val Val Tyr Gly Arg
1 5 10 15

Gly Cys Arg Asn
20

<210> 1826
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 1826
Trp Leu Glu Glu Glu Xaa Ala Gly Ile Gln Cys Gln Val Xaa Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1827
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1827
Trp Leu Asp Gln Glu Trp Glu Trp Val Gln Cys Glu Val Trp Gly Arg
1 5 10 15

Gly Cys Leu Ser
20

<210> 1828

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1828

Arg Leu Glu Gln Glu Trp Ala Leu Ile Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1829

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1829

Trp Leu Glu Glu Glu Trp Ala Gln Val Gln Cys Gln Val Tyr Gly Arg
1 5 10 15

Gly Cys Ala Ser
20

<210> 1830

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1830

Trp Leu Asp Leu Glu Xaa Glu Trp Leu Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Ala Thr
20

<210> 1831

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1831

Trp Leu Glu Gln Glu Trp Val Gln Val Arg Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1832

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1832

Trp Leu Glu Glu Glu Trp Ala Gln Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1833

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1833

Trp Leu Asp Gln Glu Trp Ala Arg Val Gln Cys Glu Val Trp Gly Arg
1 5 10 15

Gly Cys Thr Tyr
20

<210> 1834

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1834

Tyr	Leu	Asp	Xaa	Glu	Trp	Ala	Trp	Val	Gln	Cys	Glu	Val	Tyr	Gly	Leu
1				5				10					15		

Gly	Cys	Gln	Ser
			20

<210> 1835

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1835

Trp	Leu	Asp	Val	Glu	Xaa	Ala	Trp	Val	Gln	Cys	Glu	Val	Trp	Gly	Arg
1				5				10					15		

Gly	Cys	Pro	Ser
			20

<210> 1836

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1836

Trp	Leu	Glu	Gln	Glu	Trp	Glu	Arg	Xaa	Gln	Cys	Glu	Val	Tyr	Gly	Arg
1				5				10					15		

Gly	Cys	Pro	Pro
			20

<210> 1837

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1837

Trp Leu Glu Glu Trp Ala Gln Val Gln Cys Glu Val Tyr Gly Arg
 1 5 10 15

Gly Cys Leu Ser
 20

<210> 1838

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1838

Trp Leu Asp Gln Glu Trp Ala Trp Ile Gln Cys Glu Val Tyr Gly Arg
 1 5 10 15

Gly Cys Pro Ser
 20

<210> 1839

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1839

Xaa Leu Glu His Glu Trp Ala Gln Ile Gln Cys Glu Val Xaa Gly Arg
 1 5 10 15

Gly Cys Gln Ser
 20

<210> 1840

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1840

Trp	Leu	Xaa	Gln	Glu	Trp	Ala	Trp	Ile	Gln	Cys	Glu	Val	Tyr	Gly	Arg
1				5				10						15	

Gly	Cys	Pro	Phe
		20	

<210> 1841

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1841

Trp	Leu	Asp	Xaa	Glu	Trp	Ala	Trp	Val	Gln	Cys	Glu	Val	Tyr	Gly	Arg
1				5				10						15	

Gly	Cys	Pro	Ser
		20	

<210> 1842

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1842

Gly	Leu	Glu	Gln	Gly	Cys	Pro	Trp	Val	Gly	Leu	Glu	Val	Gln	Cys	Arg
1				5				10					15		

Gly	Cys	Pro	Ser
		20	

<210> 1843

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1843

Trp Leu Glu Glu Glu Trp Ala Trp Val Gln Cys Glu Val Tyr Gly His
 1 5 10 15

Gly Cys Pro Ser
 20

<210> 1844

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1844

Trp Leu Asp Gln Glu Trp Ala Gln Ile Gln Cys Glu Val Tyr Gly Arg
 1 5 10 15

Gly Cys Ser Ser
 20

<210> 1845

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1845

Trp Leu Asp Gln Glu Trp Ala Gln Val Gln Cys Glu Val Trp Gly Arg
 1 5 10 15

Gly Cys Pro Ser
 20

<210> 1846

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1846

Trp Leu Asp Leu Glu Trp Glu Phe Val Gln Cys Glu Val Tyr Gly Arg
 1 5 10 15

Gly Cys Pro Thr
 20

<210> 1847
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1847
Trp Leu Glu Gln Glu Trp Ala Ser Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1848
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1848
Trp Leu Asp Leu Glu Trp Glu Gln Ile Lys Cys Lys Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Phe
20

<210> 1849
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1849
Trp Leu Glu Gln Glu Trp Ala Gln Ile Gln Cys Gln Ile Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1850
<211> 20
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1850

Trp Leu Glu Gln Glu Trp Ala Leu Val Leu Cys Glu Val Tyr Gly His
1 5 10 15

Gly Cys Pro Ala
20

<210> 1851

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1851

Trp Leu Glu Gln Glu Trp Ala Gln Ile Gln Cys Glu Val Trp Gly Arg
1 5 10 15

Gly Cys Ser Ser
20

<210> 1852

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1852

Trp Leu Glu Xaa Glu Trp Glu Trp Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Xaa Ser
20

<210> 1853

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1853

Trp Leu Glu Gln Glu Trp Ala Gln Val Gln Cys Asp Val Tyr Gly Arg
 1 5 10 15

Gly Cys Pro Ser
 20

<210> 1854

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1854

Trp Leu Glu Gln Glu Xaa Ala Arg Val Gln Cys Glu Val Trp Gly Arg
 1 5 10 15

Gly Cys Pro Ser
 20

<210> 1855

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1855

Trp Leu Xaa Gln Glu Trp Ala Arg Val His Cys Glu Val Trp Gly Arg
 1 5 10 15

Pro Xaa Gln Cys
 20

<210> 1856

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1856

Pro Leu Glu His Glu Trp Ala Trp Val Gln Cys Val Val Tyr Gly Arg
 1 5 10 15

Gly Cys Arg Ser
 20

<210> 1857

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1857

Ser Leu Glu Xaa Glu Trp Ala Trp Val Gln Cys Glu Val Xaa Gly Arg
 1 5 10 15

Gly Cys Pro Xaa
 20

<210> 1858

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1858

Trp Leu Asp Gln Glu Trp Val Arg Val Gln Cys Glu Val Trp Gly Arg
 1 5 10 15

Gly Cys Pro Ser
 20

<210> 1859

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1859

Ser Leu Asp Lys Glu Trp Ala Trp Val Lys Cys Glu Val Tyr Gly Arg
 1 5 10 15

Gly Cys Pro Ser
 20

<210> 1860

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1860

Leu Gly Asp Gln Glu Trp Ala Trp Val Glu Trp Glu Val Xaa Gly Arg
 1 5 10 15

Gly Trp Pro Ser
 20

<210> 1861

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1861

Trp Leu Glu Glu Glu Trp Ala Gln Ile Arg Cys Gly Val Tyr Gly Arg
 1 5 10 15

Gly Cys Pro Ser
 20

<210> 1862

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1862

Trp Leu Glu Glu Glu Xaa Gly Trp Val Gln Cys Glu Val Trp Gly Arg
 1 5 10 15

Gly Cys Pro Pro
 20

<210> 1863

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1863

Cys Leu Asp Gln Glu Trp Ala Xaa Val Gln Cys Pro Val Tyr Gly Arg
 1 5 10 15

Gly Cys Pro Ser
 20

<210> 1864

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1864

Gln Leu Glu Leu Glu Trp Ala Arg Val Gln Cys Glu Val Trp Asp Arg
 1 5 10 15

Gly Cys Pro Ser
 20

<210> 1865

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1865

Arg Leu Glu Gln Glu Trp Ala Trp Ile Gln Cys Glu Val Tyr Gly Arg
 1 5 10 15

Gly Cys Arg Phe
20

<210> 1866
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 1866
Ser Leu Glu His Glu Xaa Ala Trp Val Gln Cys Lys Val Tyr Gly Arg
1 5 10 15

Gly Cys Xaa Ser
20

<210> 1867
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1867
Trp Leu Asp Gln Glu Trp Ala Trp Ile Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Pro
20

<210> 1868
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1868
Trp Leu Asp Gln Glu Trp Ala Gln Val Arg Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1869

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1869

His Pro Pro Leu Glu His Leu Lys Ala Phe Leu Leu
1 5 10

<210> 1870

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1870

Ala Pro Thr Phe Tyr Ala Trp Phe Asn Gln Gln Thr
1 5 10

<210> 1871

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1871

His Pro Thr Ser Lys Glu Ile Tyr Ala Lys Leu Leu Lys
1 5 10

<210> 1872

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1872

His Pro Ser Thr Asn Gln Met Leu Met Lys Leu Phe Lys
1 5 10

<210> 1873
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1873
His Pro Pro Leu Ser Glu Leu Lys Leu Phe Leu Ile Lys Lys
1 5 10

<210> 1874
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1874
Ala Cys Val Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1875
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1875
Cys Val Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1876
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1876
Cys Val Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1877
 <211> 11
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 1877
 Ala Cys Val Trp Pro Thr Tyr Trp Asn Cys Gly
 1 5 10

<210> 1878
 <211> 11
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 1878
 Ala Cys Val Trp Pro Thr Tyr Trp Ala Cys Gly
 1 5 10

<210> 1879
 <211> 11
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 1879
 Ala Cys Val Trp Pro Thr Tyr Ala Asn Cys Gly
 1 5 10

<210> 1880
 <211> 11
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 1880
 Ala Cys Val Trp Pro Thr Ala Trp Asn Cys Gly
 1 5 10

<210> 1881

<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1881
Ala Cys Val Trp Pro Ala Tyr Trp Asn Cys Gly
1 5 10

<210> 1882
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1882
Ala Cys Val Trp Ala Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1883
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1883
Ala Cys Ala Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1884
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1884
Ala Ala Val Trp Pro Thr Tyr Trp Asn Ala Gly
1 5 10

<210> 1885
<211> 11

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1885
Ala Ser Val Trp Pro Thr Tyr Trp Asn Ser Gly
1 5 10

<210> 1886
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1886
Ala Cys Pro Tyr Asn Trp Val Thr Trp Cys Gly
1 5 10

<210> 1887
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1887
Ala Cys Val Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1888
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1888
Ala Cys Val Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1889
<211> 11
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1889

Ala Cys Val Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1890

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1890

Ala Cys Val Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1891

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1891

Ala Cys Val Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1892

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1892

Ala Cys Val Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1893

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1893

Ala Cys Val Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1894

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1894

Ala Cys Val Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1895

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1895

Gly Cys Asn Trp Tyr Thr Pro Trp Val Cys Ala
1 5 10

<210> 1896

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents an unnatural amino acid

<400> 1896

Ala Glu Val Trp Pro Thr Tyr Trp Asn Xaa Gly
1 5 10

<210> 1897

<211> 10

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1897
Ala Cys Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1898
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents an unnatural amino acid

<400> 1898
Ala Cys Xaa Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1899
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents an unnatural amino acid

<400> 1899
Ala Cys Xaa Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1900
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents an unnatural amino acid

<400> 1900

Ala Cys Xaa Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1901

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents an unnatural amino acid

<400> 1901

Ala Cys Xaa Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1902

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents an unnatural amino acid

<400> 1902

Ala Cys Xaa Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1903

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents an unnatural amino acid

<400> 1903

Ala Cys Xaa Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1904
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents an unnatural amino acid

<400> 1904
Ala Cys Xaa Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1905
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents an unnatural amino acid

<400> 1905
Ala Cys Xaa Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1906
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents an unnatural amino acid

<400> 1906
Ala Cys Xaa Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1907
<211> 11
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents an unnatural amino acid

<400> 1907

Ala Cys Xaa Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1908

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents an unnatural amino acid

<400> 1908

Ala Cys Xaa Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1909

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents an unnatural amino acid

<400> 1909

Ala Cys Xaa Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1910

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents an unnatural amino acid

<400> 1910

Ala Cys Xaa Trp Pro Thr Tyr Trp Asn Cys Gly
 1 5 10

<210> 1911

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents an unnatural amino acid

<400> 1911

Ala Cys Xaa Trp Pro Thr Tyr Trp Asn Cys Gly
 1 5 10

<210> 1912

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents an unnatural amino acid

<400> 1912

Ala Cys Xaa Trp Pro Thr Tyr Trp Asn Cys Gly
 1 5 10

<210> 1913

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents an unnatural amino acid

<400> 1913

Ala Cys Xaa Trp Pro Thr Tyr Trp Asn Cys Gly
 1 5 10

<210> 1914

<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<220>
<223> Xaa represents an unnatural amino acid

<400> 1914
Ala Cys Xaa Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1915
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<220>
<223> Xaa represents an unnatural amino acid

<400> 1915
Ala Cys Xaa Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1916
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<220>
<223> Xaa represents an unnatural amino acid

<400> 1916
Ala Cys Xaa Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1917
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic

peptide

<220>

<223> Xaa represents an unnatural amino acid

<400> 1917

Ala Cys Val Trp Pro Thr Xaa Trp Asn Cys Gly

1

5

10

<210> 1918

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<220>

<223> Xaa represents an unnatural amino acid

<400> 1918

Ala Cys Val Trp Pro Thr Xaa Trp Asn Cys Gly

1

5

10

<210> 1919

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<220>

<223> Xaa represents an unnatural amino acid

<400> 1919

Ala Cys Val Trp Pro Thr Xaa Trp Asn Cys Gly

1

5

10

<210> 1920

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<220>

<223> Xaa represents an unnatural amino acid

<400> 1920

Ala Cys Val Trp Pro Thr Xaa Trp Asn Cys Gly
1 5 10

<210> 1921

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents an unnatural amino acid

<400> 1921

Ala Cys Val Trp Pro Thr Xaa Trp Asn Cys Gly
1 5 10

<210> 1922

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents an unnatural amino acid

<400> 1922

Ala Cys Val Trp Pro Thr Xaa Trp Asn Cys Gly
1 5 10

<210> 1923

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents an unnatural amino acid

<400> 1923

Ala Cys Val Trp Pro Thr Xaa Trp Asn Cys Gly
1 5 10

<210> 1924

<211> 11

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<220>
<223> Xaa represents an unnatural amino acid

<400> 1924
Ala Cys Val Trp Pro Thr Xaa Trp Asn Cys Gly
1 5 10

<210> 1925
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<220>
<223> Xaa represents an unnatural amino acid

<400> 1925
Ala Cys Val Trp Pro Thr Xaa Trp Asn Cys Gly
1 5 10

<210> 1926
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<220>
<223> Xaa represents an unnatural amino acid

<400> 1926
Ala Cys Val Trp Pro Thr Xaa Trp Asn Cys Gly
1 5 10

<210> 1927
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<220>

<223> Xaa represents an unnatural amino acid

<400> 1927

Ala	Cys	Val	Trp	Pro	Thr	Xaa	Trp	Asn	Cys	Gly
1				5					10	

<210> 1928

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents an unnatural amino acid

<400> 1928

Ala	Cys	Val	Trp	Pro	Thr	Xaa	Trp	Asn	Cys	Gly
1				5					10	

<210> 1929

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1929

Ala	Cys	Val	Trp	Pro	Thr	Tyr	Trp	Cys	Gly
1				5					10

<210> 1930

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1930

Ala	Cys	Val	Trp	Pro	Thr	Trp	Asn	Cys	Gly
1				5					10

<210> 1931

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1931

Ala	Cys	Val	Trp	Pro	Tyr	Trp	Asn	Cys	Gly
1				5					10

<210> 1932

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1932

Ala	Cys	Val	Trp	Thr	Tyr	Trp	Asn	Cys	Gly
1				5					10

<210> 1933

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1933

Ala	Cys	Val	Pro	Thr	Tyr	Trp	Asn	Cys	Gly
1				5					10

<210> 1934

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1934

Ala	Cys	Trp	Pro	Thr	Tyr	Trp	Asn	Cys	Gly
1				5					10

<210> 1935

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1935

Ala Cys Val Trp Thr Tyr Trp Asn Pro Cys Gly
1 5 10

<210> 1936

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1936

Ala Cys Val Trp Thr Tyr Trp Pro Asn Cys Gly
1 5 10

<210> 1937

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1937

Ala Cys Val Trp Thr Tyr Pro Trp Asn Cys Gly
1 5 10

<210> 1938

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1938

Ala Cys Val Trp Thr Pro Tyr Trp Asn Cys Gly
1 5 10

<210> 1939

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1939

Ala Cys Val Pro Trp Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1940

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1940

Ala Cys Pro Val Trp Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1941

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1941

Ala Cys Trp Pro Thr Tyr Trp Asn Val Cys Gly
1 5 10

<210> 1942

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1942

Ala Cys Pro Thr Tyr Trp Asn Val Trp Cys Gly
1 5 10

<210> 1943

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1943

Ala Cys Thr Tyr Trp Asn Val Trp Pro Cys Gly
1 5 10

<210> 1944

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1944

Ala Cys Tyr Trp Asn Val Trp Pro Thr Cys Gly
1 5 10

<210> 1945

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1945

Ala Cys Trp Asn Val Trp Pro Thr Tyr Cys Gly
1 5 10

<210> 1946

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1946

Ala Cys Asn Val Trp Pro Thr Tyr Trp Cys Gly
1 5 10

<210> 1947

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<400> 1947

Ala Cys Val Trp Pro Cys Gly

1

5

<210> 1948

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1948

Cys Val Trp Pro Thr Tyr Trp Asn Cys Gly

1

5

10

<210> 1949

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1949

Ala Cys Trp Trp Pro Thr Tyr Trp Asn Cys Gly

1

5

10

<210> 1950

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1950

Ala Cys Glu Trp Pro Thr Tyr Trp Asn Cys Gly

1

5

10

<210> 1951

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1951

Ala Cys Arg Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1952

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1952

Ala Cys Gln Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1953

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1953

Ala Cys Gly Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1954

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1954

Ala Trp Pro Thr Tyr Trp Asn Cys Gly
1 5

<210> 1955

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1955

Ala Trp Pro Thr Tyr Trp Asn Cys Gly
1 5

<210> 1956

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1956

Ala Trp Pro Thr Tyr Trp Asn Cys Gly
1 5

<210> 1957

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1957

Trp Pro Thr Tyr Trp Asn Cys Gly Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10 15

<210> 1958

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1958

Ala Trp Pro Thr Tyr Trp Asn Cys Gly Ala Trp Pro Thr Tyr Trp Asn
1 5 10 15

Cys Gly

<210> 1959

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<220>

<223> Xaa represents an unnatural amino acid

<400> 1959

Ala	Cys	Ala	Xaa	Pro	Thr	Tyr	Trp	Asn	Cys	Gly	Lys
1				5					10		

<210> 1960

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents an unnatural amino acid

<400> 1960

Ala	Cys	Ala	Trp	Pro	Thr	Tyr	Xaa	Asn	Cys	Gly	Lys
1				5					10		

<210> 1961

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1961

Gly	Cys	Ala	Trp	Pro	Thr	Tyr	Trp	Asn	Cys	Gly
1				5					10	

<210> 1962

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1962

Asn	Cys	Ala	Trp	Pro	Thr	Tyr	Trp	Asn	Cys	Gly
1				5					10	

<210> 1963

<211> 11

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1963
Val Cys Ala Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1964
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1964
Ser Phe Tyr Glu Ala Ile His Gln Leu Leu Gly Val
1 5 10

<210> 1965
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1965
His Pro Pro Leu Glu His Leu Lys Ala Phe Leu Leu
1 5 10

<210> 1966
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1966
Ala Pro Thr Phe Tyr Ala Trp Phe Asn Gln Gln Thr
1 5 10

<210> 1967
<211> 13
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1967

His Pro Thr Ser Lys Glu Ile Tyr Ala Lys Leu Leu Lys
1 5 10

<210> 1968

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1968

His Pro Ser Thr Asn Gln Met Leu Met Lys Leu Phe Lys
1 5 10

<210> 1969

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1969

His Pro Pro Leu Ser Glu Leu Lys Leu Phe Leu Ile Lys Lys
1 5 10

<210> 1970

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1970

Leu Cys Gln Ser Leu Gly Val Thr Tyr Pro Gly Trp Leu Ala Gly Trp
1 5 10 15

Cys Ala

<210> 1971

<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1971
Leu Cys Gln Ser Trp Gly Val Arg Ile Gly Trp Leu Ala Gly Leu Cys
1 5 10 15

Pro

<210> 1972
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1972
Val Cys Gln Ser Leu Gly Ile Thr Asp Leu Gly Leu Cys Ala Gly Trp
1 5 10 15

Gly Ala

<210> 1973
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1973
Leu Cys Gln Ser Leu Gly Leu Thr His Pro Gly Phe Glu Ala Trp Leu
1 5 10 15

Cys Ala

<210> 1974
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic

peptide

<400> 1974

Leu	Cys	Gln	Asn	Phe	Gly	Val	Thr	Asp	Pro	Gly	Cys	Phe	Tyr	Gly	Trp
1				5					10					15	

Phe Ala

<210> 1975

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1975

Pro	Cys	Gln	Arg	Leu	Gly	Asp	Thr	His	Leu	Cys	Trp	Leu	Ala	Gly	Trp
1				5					10					15	

Phe Ala

<210> 1976

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1976

Leu	Cys	Gln	Ser	Ser	Gly	Leu	Ser	Phe	Leu	Gly	Cys	Leu	Gly	Trp	Trp
1				5					10					15	

Ala

<210> 1977

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1977

Leu	Cys	Gln	Ser	Leu	Gly	Phe	Thr	Asp	Leu	Asp	Trp	Leu	Ala	Cys	Trp
1				5					10					15	

Phe Glu

<210> 1978

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1978

Val Cys Gln Gly Leu Gly Val Glu Cys Pro Gly Trp Phe Ala Gly Trp
1 5 10 15

Trp Ala

<210> 1979

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1979

Pro Cys Gln Ser Leu Gly Leu Thr Cys Ser Gly Trp Phe Glu Gly Trp
1 5 10 15

Gly Ala

<210> 1980

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1980

Leu Cys Gln Gly Trp Gly Ile Arg Ile Gly Trp Leu Val Gly Arg Cys
1 5 10 15

Met

<210> 1981

<211> 18

<212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1981
 Leu Trp Gln Ser Val Gly Ile Lys Tyr Pro Gly Gly Leu Ala Gly Trp
 1 5 10 15
 Leu Ala

<210> 1982
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1982
 Gln Trp Gln Ser Leu Gly Val Thr Cys Pro Gly Ser Trp Ala Glu Leu
 1 5 10 15
 Cys Ala

<210> 1983
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1983
 Leu Cys Gln Ser Leu Gly Val Thr Tyr Trp Glu Gly Leu Ala Trp Leu
 1 5 10 15
 Cys Ala

<210> 1984
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1984

Leu Cys Gln Ser Trp Gly Val Arg Ile Gly Trp Leu Ala Gly Leu Cys
 1 5 10 15

Pro

<210> 1985

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1985

Leu Cys Gln Ser Trp Gly Val Arg Ile Gly Trp Leu Ala Gly Leu Cys
 1 5 10 15

Pro

<210> 1986

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1986

Leu Cys Glu Ser Trp Gly Val Arg Ile Gly Trp Leu Ala Gly Leu Cys
 1 5 10 15

Pro

<210> 1987

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1987

Leu Cys Gln Ser Trp Gly Val Arg Ile Gly Trp Leu Val Gly Leu Cys
 1 5 10 15

Pro

<210> 1988

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1988

Leu Cys Gln Gly Trp Gly Val Arg Ile Gly Trp Leu Ala Gly Leu Cys
1 5 10 15

Pro

<210> 1989

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1989

Leu Cys Gln Ser Trp Gly Val Arg Ile Gly Trp Leu Val Gly Leu Cys
1 5 10 15

Pro

<210> 1990

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1990

Leu Cys Gln Ser Trp Gly Val Arg Ile Gly Trp Leu Thr Gly Leu Cys
1 5 10 15

Pro

<210> 1991

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1991

Met Cys Gln Ser Trp Asp Val Arg Ile Gly Arg Leu Gly Gly Gln Cys
1 5 10 15

Pro

<210> 1992

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1992

Leu Cys Gln Gly Trp Asp Val Arg Ile Gly Gln Leu Ala Gly Leu Cys
1 5 10 15

Pro

<210> 1993

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1993

Leu Cys Gln Gly Trp Gly Val Arg Ile Gly Trp Leu Ala Gly Leu Cys
1 5 10 15

Pro

<210> 1994

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1994

Leu Cys Gln Ser Trp Asp Val Arg Ile Gly Trp Val Ala Gly Leu Cys
1 5 10 15

Pro

<210> 1995

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1995

Leu Cys Gln Ser Trp Asp Ala Arg Ile Gly Trp Leu Ala Gly Leu Cys
1 5 10 15

Pro

<210> 1996

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1996

Leu Cys Leu Gly Xaa Asp Val Arg Ile Gly Leu Leu Ala Gly Leu Cys
1 5 10 15

Pro

<210> 1997

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1997

Leu Xaa Lys Ser Trp Asp Val Arg Ser Gly Leu Met Ala Gly Leu Cys
1 5 10 15

Pro

<210> 1998

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1998

Leu	Cys	Gln	Ser	Trp	Asp	Ala	Cys	Ile	Gln	Trp	Leu	Val	Gly	Leu	Ser
1				5					10					15	

Pro

<210> 1999

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1999

Leu	Cys	Arg	Ser	Trp	Glu	Glu	Cys	Ile	Gly	Trp	Leu	Val	Gly	Pro	Gln
1				5					10					15	

Pro

<210> 2000

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2000

Leu	Cys	Gln	Ser	Trp	Gly	Glu	Cys	Ile	Asp	Arg	Leu	Val	Gly	Gln	Gly
1				5					10					15	

Ala

<210> 2001
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2001
Leu Cys Gln Gly Trp Gly Val Arg Ile Gly Trp Leu Ala Gly Leu Cys
1 5 10 15

Pro

<210> 2002
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2002
Leu Cys Gln Gly Trp Ala Val His Ile Gly Gln Leu Ala Gly Leu Cys
1 5 10 15

Pro

<210> 2003
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2003
Leu Cys Gln Gly Trp Gly Val His Ile Gly Arg Leu Ala Gly Leu Cys
1 5 10 15

Pro

<210> 2004
<211> 17
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2004

Leu Cys Gln Ser Trp Gly Val Arg Ile Gly Trp Leu Ala Gly Leu Cys
 1 5 10 15

Pro

<210> 2005

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2005

Leu Cys Gln Ser Trp Gly Val His Ile Gly Arg Leu Ala Gly Leu Cys
 1 5 10 15

Pro

<210> 2006

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2006

Pro Lys Gly Thr Arg Phe Arg Gly Asp Val Asp Val Trp Asp Gly Tyr
 1 5 10 15

Ser Trp Leu Ala
 20

<210> 2007

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2007

Thr Pro Ile Pro Ala Gly Gly Ile Asn Ile Ala Ser Trp Gly Gly Tyr
 1 5 10 15

Thr Trp Leu Ser
20

<210> 2008
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2008
His Arg Gly Thr Val Thr Gly Val Trp Val Ala Arg Trp Pro Gly Tyr
1 5 10 15

Glu Trp Leu Ser
20

<210> 2009
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2009
Ser Asp Val Trp Ala Gln Pro Gln Arg Arg Asn Asp Trp Pro Gly Tyr
1 5 10 15

His Trp Leu Ser
20

<210> 2010
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2010
His Arg Gly Thr Val Thr Gly Val Trp Val Ala Arg Trp Pro Gly Tyr
1 5 10 15

Glu Trp Leu Ser
20

<210> 2011

<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2011
Ser Asp Val Trp Ala Gln Pro Gln Arg Arg Asn Asp Trp Pro Gly Tyr
1 5 10 15

His Trp Leu Ser
20

<210> 2012
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2012
Arg Pro His Arg Ile Asn Pro Gln Asp Asp Ala Val Trp Pro Gly Tyr
1 5 10 15

Leu Trp Leu Gly
20

<210> 2013
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2013
His Arg Gly Thr Val Thr Gly Val Trp Val Ala Arg Trp Pro Gly Tyr
1 5 10 15

Glu Trp Leu Ser
20

<210> 2014
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic

peptide

<400> 2014

Phe Gly Arg Gly Tyr Gly Gly Asp Gly Gly Gly Tyr Trp Ser Gly Tyr
 1 5 10 15

Glu Trp Leu Ala
 20

<210> 2015

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2015

Asp Gly Leu Val Val Lys Ser Gly Arg Glu Trp Pro Gly Tyr Gly Trp
 1 5 10 15

Leu Glu Arg Gln Ala
 20

<210> 2016

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2016

Asp Gly Ser Ile Val Gln Val Ser Ser Ser Val Gly Trp Pro Gly Tyr
 1 5 10 15

Glu Trp Leu Met
 20

<210> 2017

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2017

Trp Gln Gln Ala Asn Leu Ser Asn Gly Gly Gly Arg Trp Gly Gly Tyr
 1 5 10 15

Asp Trp Leu Met
20

<210> 2018
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2018
Phe Gly Arg Gly Tyr Gly Gly Asp Gly Gly Gly Tyr Trp Ser Gly Tyr
1 5 10 15

Glu Trp Leu Ala
20

<210> 2019
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2019
Val Asn Tyr Glu Met Asp Arg Val Pro Pro Met Pro Trp Gly Gly Tyr
1 5 10 15

Trp Trp Leu Ser
20

<210> 2020
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2020
Met Gly Gly Gly Leu Trp Val Gly Val His Ile Trp Pro Gly Tyr Ser
1 5 10 15

Trp Leu Ser Gln
20

<210> 2021
<211> 20

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2021
Ser Asp Val Trp Ala Gln Pro Gln Arg Arg Asn Asp Trp Pro Gly Tyr
1 5 10 15

His Trp Leu Ser
20

<210> 2022
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2022
Trp Pro Gly Tyr Leu Phe Phe Glu Glu Ala Leu Gln Asp Trp Arg Gly
1 5 10 15

Ser Thr Glu Asp
20

<210> 2023
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2023
Ser Met Phe Val Ala Gly Ser Asp Arg Trp Pro Gly Tyr Gly Val Leu
1 5 10 15

Ala Asp Trp Leu
20

<210> 2024
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2024

Val	Arg	Gly	Phe	Gln	Gly	Gly	Thr	Val	Trp	Pro	Gly	Tyr	Glu	Trp	Leu
1				5					10					15	

Arg	Asn	Ala	Ala
		20	

<210> 2025

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2025

Leu	Asp	Leu	Ala	Ser	Gly	Asp	Ser	Trp	Leu	Gly	Tyr	Asp	Val	Leu	Arg
1				5					10					15	

Gly	Trp	Leu	Ser
		20	

<210> 2026

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2026

Ile	His	Ser	Ser	Asp	Gly	Ile	Gly	Ala	Trp	Gly	Gly	Tyr	Ala	Trp	Phe
1				5					10					15	

Arg	Asp	Val	Ala
		20	

<210> 2027

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2027

Leu	Gly	Pro	Leu	Leu	Arg	Trp	Gly	Ser	Glu	Val	Cys	Gly	Val	Trp	Pro
1				5					10					15	

Asp	Leu	Cys	Glu
		20	

<210> 2028

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2028

Pro Phe Gly Phe Gly Gly Arg Trp Trp Gly Ile Pro Arg Met Trp Trp
 1 5 10 15

Tyr Arg Asn Ser
 20

<210> 2029

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2029

Trp Trp Trp Gly Gly Arg Asn Arg Trp Trp Leu Glu Arg Trp Gly Leu
 1 5 10 15

Gly Gly Glu Arg
 20

<210> 2030

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2030

Gly Arg Val Ala Leu Trp Gly Pro Val Trp Pro Arg Trp Trp Phe Met
 1 5 10 15

Ser Arg Pro Val
 20

<210> 2031

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2031

Arg Gly Thr Arg Thr Asp Arg Leu Trp Lys Ser Gly Gly Phe Ala Ile
1 5 10 15

Val Pro Arg Trp Pro Cys Phe Ser Tyr His Cys Leu Val Glu Trp Ile
20 25 30

Thr Lys Thr Gly Ser Pro Gly
35

<210> 2032

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2032

Gly Arg Thr Ser Met Ala Phe Val Pro Pro Arg His Leu Gln Pro Glu
1 5 10 15

Leu Ala Pro Arg Pro Val Arg Asn His Ala Trp Leu Val Gly Gly Gly
20 25 30

<210> 2033

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2033

Cys Leu Gly Ala Gly Ser Phe Arg Ala Gly Ile Leu Cys Leu Gly Gly
1 5 10 15

Leu Pro Val Ser
20

<210> 2034

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2034

Gly Phe Trp Ala Thr Ala Cys Gly Gly Leu Gln Ile Cys Glu Glu Leu
1 5 10 15

Gly Leu Lys Pro
20

<210> 2035

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2035

Asp Leu Phe Cys Ala Tyr Met Ala Gln Ala Leu Gly Leu Gly Gln Asp
1 5 10 15

Leu Ser Cys Gly
20

<210> 2036

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 2036

Arg His Leu Leu Leu Pro Gln Ile Trp Ile Ala Ser Xaa Gly Gly Trp
1 5 10 15

Gly Met Gly

<210> 2037

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2037

Asp His Arg Leu Cys Gly Thr Asp Glu Tyr Leu Met Gln Asp Leu Phe
1 5 10 15

Val Arg Gly Leu Cys Arg Leu Ile Trp
20 25

<210> 2038

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2038

Gly Leu Leu Phe Cys Lys Gln Leu Phe Thr Leu Ala Gly Leu Gln Pro
1 5 10 15

Glu Ala Gly Cys Val Ser Ser Ser Arg
20 25

<210> 2039

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2039

Ile Trp Ile Ala Cys Leu Asp Glu Leu Leu Arg Gly Gln Val Trp Ser
1 5 10 15

Ser Cys Arg Arg Arg Ala Pro Ile Gly
20 25

<210> 2040

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2040

Asp Trp Leu Arg Cys Leu Gly Val Ile Leu Ser Gly Gly Leu Thr Glu
1 5 10 15

Leu Ala Asn Thr Gly Cys Val Gln Gly
 20 25

<210> 2041

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2041

Trp Phe Ser Phe Cys Leu Gly Gly Leu Leu Gln Ala Gln Glu Trp Ser
 1 5 10 15

Val Trp Gly Arg Asp Val Gly Cys Ile
 20 25

<210> 2042

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2042

Gly Tyr Ser Trp Leu Arg Asp Val Leu Met Glu Lys Gln Ala Gln Leu
 1 5 10 15

Lys Arg Glu Gly Ser Val Gly Arg Gln
 20 25

<210> 2043

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 2043

Phe Leu Thr Arg Leu Leu Glu Arg Leu Gly Leu Ser Xaa Glu Arg Gly
 1 5 10 15

Glu Ala Gly Gly Pro Tyr Ala Gln Ala
 20 25

<210> 2044
 <211> 25
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2044
 Phe Ser Gly Phe Cys Met Gly Leu Glu Arg Leu Ser Gln Val Ser Leu
 1 5 10 15
 Gly Tyr Cys Gly Ala Gly Gln Gly Gly
 20 25

<210> 2045
 <211> 25
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2045
 Ile Ser Phe Arg Cys Gln Leu Phe Val Leu Ala Gly Met His Pro Cys
 1 5 10 15
 Pro Val Asp Val Gly Gly Glu Gly Phe
 20 25

<210> 2046
 <211> 25
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2046
 Asn Thr Pro Asn Cys Ser Gln Asp Trp Gly Gln Glu Ser Gly Phe Met
 1 5 10 15
 Ala Leu Leu Leu Ala Leu Thr Cys Lys
 20 25

<210> 2047
 <211> 25
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2047

Leu Gln Gly Phe Cys Glu Leu Leu Ala Thr Val Thr Gly Val Thr Gly
 1 5 10 15

Leu Gly Cys Leu Asp Tyr Gln Pro Ile
 20 25

<210> 2048

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2048

Gly Ser Ser Ile Cys Asn Leu Leu Ala Arg Ala Gln Ile Val Glu Leu
 1 5 10 15

Ala Leu Cys Glu Met Gly Val Gln Glu
 20 25

<210> 2049

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2049

Leu Ser Phe Ala Cys Leu Leu Ser Gln Leu Ser Gly Val Val Leu Pro
 1 5 10 15

Asp Cys Leu Leu Gly Glu Asp
 20

<210> 2050

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2050

Gly Glu His Phe Cys Gln Leu Leu Met Ser Leu Cys Gly Asp Asp Cys
 1 5 10 15

Gly Pro Val Asn Cys Gly Gly Gly Ser
 20 25

<210> 2051

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2051

Gly Trp Phe Glu Cys Leu Leu Ala Ser Leu Val Leu Gln Val Pro Gln
 1 5 10 15

Gly Arg Ser Arg Ala Ser Ala Val Cys
 20 25

<210> 2052

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2052

Tyr Arg Gln Glu Cys Ala Cys Ser Val Gly Ala Val Gly Phe Leu Cys
 1 5 10 15

Gly Leu Ala Cys Leu Ala Arg Ser Gly
 20 25

<210> 2053

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2053

Leu Ser Cys Leu Ala Tyr Ser Arg His Gly Ile Trp Arg Pro Ser Thr
 1 5 10 15

Asp Leu Gly Leu Gly Arg Ser Val Gly Glu Gly Ser Val Ser Thr Arg
 20 25 30

Trp Arg Gly Tyr Asp Trp Phe Glu
 35 40

<210> 2054

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2054

Gly Leu Asp His Ser Asp Ala Val Gly Val His Leu Gly Phe Ala Trp
 1 5 10 15

Pro Ala Gln Ala Arg Gly Arg Trp Glu Ala Gly Gly Leu Glu Asp Thr
 20 25 30

Trp Ala Gly Tyr Asp Trp Leu
 35

<210> 2055

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2055

Trp Gln Gly Tyr Ala Trp Leu Ser
 1 5

<210> 2056

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2056

Leu Ser Cys Leu Ala Tyr Ser Arg His Gly Ile Trp Arg Pro Ser Thr
 1 5 10 15

Asp Leu Gly Leu Gly Arg Ser Val Gly Glu Gly Ser Val Ser Thr Arg
 20 25 30

Trp Arg Gly Tyr Asp Trp Phe Glu
 35 40

<210> 2057
 <211> 40
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2057
 Glu Ala Met Ala Val Gly Leu Gln Cys Pro Ala Arg Phe Val Arg Ala
 1 5 10 15
 Ala Ala His Gly Asp Gly Gly Ser Trp Gly Gln Asp His Val Gln Ala
 20 25 30
 Trp Gly Gly Tyr Trp Trp Leu Gly
 35 40

<210> 2058
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2058
 His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
 1 5 10 15
 Tyr Cys Ser Gly
 20

<210> 2059
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2059
 His Phe Tyr Val Leu Val Glu Arg Leu Ser Gly Ala Ser Leu Phe Gly
 1 5 10 15
 Ser Gly Ser Ala
 20

<210> 2060
 <211> 20

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2060
His Arg Phe Val Arg Glu Gly Leu Leu Trp Gly Ala Tyr Gln Phe Cys
1 5 10 15

Tyr Cys Ser Gly
20

<210> 2061
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2061
Phe Gln Ser Leu Leu Glu Glu Leu Val Trp Gly Ala Pro Leu Phe Arg
1 5 10 15

Tyr Gly Thr Gly
20

<210> 2062
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2062
His Leu Ser Val Leu Glu Glu Leu Ser Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Trp Ala Gly
20

<210> 2063
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2063

His Leu Ser Val Leu Glu Glu Leu Ser Trp Gly Ala Ser Leu Phe Gly
 1 5 10 15

Gln Trp Ala Gly
 20

<210> 2064

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2064

Asn Leu Cys Arg Leu Glu Glu Leu Ala Trp Gly Ala Ser Leu Phe Gly
 1 5 10 15

Gln Cys Ala Gly
 20

<210> 2065

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2065

Ala Pro Val Ser Thr Glu Glu Leu Arg Trp Gly Ala Leu Leu Phe Gly
 1 5 10 15

Gln Trp Ala Gly
 20

<210> 2066

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2066

His Leu Ser Val Leu Glu Glu Arg Trp Trp Arg Glu Ser Leu Phe Gly
 1 5 10 15

Gln Trp Ala Gly
 20

<210> 2067
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2067
His Leu Ser Val Leu Glu Glu Arg Trp Trp Arg Ala Ala Leu Phe Gly
1 5 10 15

Gln Trp Ala Gly
20

<210> 2068
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2068
His Leu Ser Ile Leu Glu Glu Gln Trp Trp Arg Glu Ser Leu Phe Gly
1 5 10 15

Gln Trp Ala Gly
20

<210> 2069
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2069
His Met Ser Val Glu Glu Leu Ser Trp Trp Ala Ser Leu Phe Gly Lys
1 5 10 15

Gln Ala Gly

<210> 2070
<211> 20
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2070

His Leu Ser Glu Leu Glu Glu Arg Trp Trp Arg Ala Thr Leu Phe Gly
1 5 10 15

Gln Trp Ala Gly
20

<210> 2071

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2071

His Leu Ser Val Leu Glu Glu Leu Trp Trp Arg Glu Ser Leu Phe Gly
1 5 10 15

Gln Trp Ala Gly
20

<210> 2072

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2072

His Leu Ser Leu Leu Glu Glu Gln Trp Trp Arg Glu Ser Leu Phe Gly
1 5 10 15

Gln Trp Ala Gly
20

<210> 2073

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2073

His Leu Ser Val Leu Glu Glu Arg Trp Trp Arg Glu Thr Leu Phe Gly
1 5 10 15

Gln Trp Ala Gly
20

<210> 2074

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2074

His Leu Ser Val Leu Glu Glu Gln Trp Trp Arg Glu Ser Leu Phe Gly
1 5 10 15

Gln Trp Ala Gly
20

<210> 2075

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2075

His Leu Ser Val Leu Glu Glu Gln Trp Trp Gln Glu Ser Leu Phe Gly
1 5 10 15

Gln Trp Ala Gly
20

<210> 2076

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2076

His Leu Ser Val Leu Glu Glu Leu Trp Trp Arg Glu Ala Leu Phe Gly
1 5 10 15

Gln Trp Ala Gly
20

<210> 2077
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2077
 His Leu Ser Val Leu Glu Glu Arg Trp Trp Arg Ala Thr Leu Phe Gly
 1 5 10 15
 Glu Trp Ala Gly
 20

<210> 2078
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2078
 His Leu Gln Val Leu Glu Glu Leu Leu Trp Gly Val Ser Leu Phe Arg
 1 5 10 15
 Gln Trp Ala Gly
 20

<210> 2079
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2079
 His Leu Ser Ala Leu Glu Glu Gln Trp Trp Arg Ala Thr Leu Phe Gly
 1 5 10 15
 Gln Trp Ala Gly
 20

<210> 2080
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2080

His Leu Ser Val Leu Glu Glu Arg Trp Trp Arg Ala Thr Leu Leu Glu
1 5 10 15

Ser Gly Gln

<210> 2081

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2081

His Leu Ser Ala Leu Glu Glu Leu Trp Trp Arg Glu Thr Leu Phe Gly
1 5 10 15

Gln Trp Ala Gly
20

<210> 2082

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2082

His Leu Ser Val Leu Glu Glu Leu Trp Trp Arg Glu Ser Leu Phe Gly
1 5 10 15

Lys Trp Ala Gly
20

<210> 2083

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2083

His Leu Ser Val Leu Glu Glu Ala Trp Trp Arg Glu Ser Leu Phe Gly
 1 5 10 15

His Trp Ala Gly
 20

<210> 2084

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2084

His Met Ser Glu Gln Glu Glu Leu Trp Trp Arg Ala Thr Leu Phe Gly
 1 5 10 15

Gln Trp Ala Gly
 20

<210> 2085

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2085

His Leu Ser Val Leu Glu Glu Arg Trp Trp Arg Glu Thr Leu Phe Gly
 1 5 10 15

Glu Trp Ala Gly
 20

<210> 2086

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2086

His Arg Ser Val Leu Lys Gln Leu Ser Trp Gly Ala Ser Leu Phe Gly
 1 5 10 15

Gln Trp Ala Gly
 20

<210> 2087

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 2087

His Leu Xaa Val Leu Glu Glu Leu Ser Trp Gly Ala Ser Leu Val Gly
1 5 10 15

Gln Trp Ala Val
20

<210> 2088

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 2088

His Leu Ser Val Leu Glu Glu Leu Xaa Leu Gly Ala Ser Met Phe Gly
1 5 10 15

Leu Trp Ala Gly
20

<210> 2089

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 2089

His Leu Ser Val Leu Lys Glu Leu Ser Trp Xaa Ala Ser Leu Phe Gly
1 5 10 15

Gln Trp Ala Gly
20

<210> 2090
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2090
His Leu Ser Ala Leu Glu Glu Leu Ser Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Trp Ala Gly
20

<210> 2091
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 2091
His Leu Ser Val Leu Ala Glu Leu Ser Xaa Gly Ala Leu Leu Phe Gly
1 5 10 15

Gln Trp Ala Gly
20

<210> 2092
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2092
Arg Leu Ser Val Leu Glu Gln Leu Ser Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Pro Trp Ala Gly
20

<210> 2093
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<220>
 <223> Xaa represents a variable or unknown amino acid

<400> 2093
 His Leu Xaa Val Leu Val Gln Pro Ser Trp Gly Ala Ser Leu Phe Gly
 1 5 10 15

Gln Trp Ala Gly
 20

<210> 2094
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<220>
 <223> Xaa represents a variable or unknown amino acid

<400> 2094
 His Gln Ser Val Leu Glu Glu Leu Ser Arg Xaa Ala Ser Leu Phe Gly
 1 5 10 15

Gln Trp Ala Gly
 20

<210> 2095
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<220>
 <223> Xaa represents a variable or unknown amino acid

<400> 2095
 Asp Met Ser Val Leu Gly Gly Leu Ser Trp Gly Ala Xaa Leu Phe Gly
 1 5 10 15

Gln Trp Ser Gly
20

<210> 2096
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2096
His Leu Ser Val Arg Glu Gly Gln Leu Trp Arg Ala Ser Met Phe Gly
1 5 10 15

Arg Trp Ala Gly
20

<210> 2097
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 2097
Gln Leu Ser Val Leu Val Glu Leu Xaa Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Pro Trp Ala Ala
20

<210> 2098
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 2098
His Leu Ser Val Gly Glu Glu Leu Ser Trp Xaa Val Ala Leu Leu Gly
1 5 10 15

Gln Trp Ala Arg
20

<210> 2099
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2099
Lys Ile Gly Gly Gln Gly Gln His Gln Asp Gly Asn Phe Tyr Asp Trp
1 5 10 15

Phe Val Glu Ala Leu Ala Lys Lys
20

<210> 2100
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2100
Lys Val Leu Gln Ala Arg His Gly Cys Asp Ser Val Ser Asp Cys Phe
1 5 10 15

Tyr Glu Trp Phe Ala Lys Lys
20

<210> 2101
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2101
Lys Trp Ser Ala Leu Leu Ser Val Met Asp Thr Gly Phe Tyr Ala Trp
1 5 10 15

Phe Asp Asp Ala Val Lys Lys
20

<210> 2102
<211> 23

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2102
Lys Gly His Ser Trp Ala Leu Val Arg His Val Asp Arg Leu Phe Tyr
1 5 10 15

Glu Trp Phe Asp Leu Lys Lys
20

<210> 2103
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2103
Lys Arg Asp Lys Pro Thr Asp Gln Glu Glu Gln Asn Trp Ser Phe Tyr
1 5 10 15

Glu Trp Phe Arg His Lys Lys
20

<210> 2104
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2104
Lys Val Phe Trp Asn Cys Arg Ser Gln Gln Leu Asp Phe Tyr Glu Trp
1 5 10 15

Trp Phe Glu Gln Ala Ala Lys Lys
20

<210> 2105
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2105

Lys Leu Glu Ser His Tyr Val Val Pro Gln Ala Ala Leu Asp Arg Leu
 1 5 10 15

Phe Tyr Ser Trp Phe Ser Lys Lys
 20

<210> 2106

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2106

Lys Phe Tyr Gly Trp Phe Ser Arg Gln Leu Ser Leu Thr Pro Arg Asp
 1 5 10 15

Asp Trp Gly Leu Pro Lys Lys
 20

<210> 2107

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2107

Lys Ser Ala Pro Gly Leu Val Ser Asn Lys Gln Asp Gly Leu Phe Tyr
 1 5 10 15

Ser Trp Phe Arg Glu Lys Lys
 20

<210> 2108

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2108

Lys Arg Gly Gly Gly Thr Phe Tyr Glu Trp Phe Glu Ser Ala Leu Arg
 1 5 10 15

Lys His Gly Ala Gly Lys Lys
 20

<210> 2109
 <211> 23
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2109
 Lys Asp Pro Glu Arg Met Gln Ser Asp Val Gly Phe Tyr Glu Trp Phe
 1 5 10 15
 Arg Ala Ala Val Gly Lys Lys
 20

<210> 2110
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2110
 Asp Tyr Lys Asp Cys Trp Ala Arg Pro Cys Gly Asp Ala Ala Asn Phe
 1 5 10 15
 Tyr Asp Trp Phe Val Gln Gln Ala Ser Lys Lys
 20 25

<210> 2111
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2111
 Asp Tyr Lys Asp Val Thr Phe Thr Ser Ala Val Phe His Glu Asn Phe
 1 5 10 15
 Tyr Asp Trp Phe Val Arg Gln Val Ser Lys Lys
 20 25

<210> 2112
 <211> 12
 <212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2112

Ser Ala Lys Asn Phe Tyr Asp Trp Phe Val Lys Lys
1 5 10

<210> 2113

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2113

Ala Asp Lys Asn Phe Tyr Asp Trp Phe Met Ala Ala Lys Lys
1 5 10

<210> 2114

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2114

Asp Tyr Lys Asp Leu Cys Gln Ser Trp Gly Val Arg Ile Gly Trp Leu
1 5 10 15

Ala Gly Leu Cys Pro Lys Lys
20

<210> 2115

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2115

Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys Lys
1 5 10 15

<210> 2116

<211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2116
 Asp Tyr Lys Asp Phe Tyr Asp Ala Ile Asp Gln Leu Val Arg Gly Ser
 1 5 10 15
 Ala Arg Ala Gly Gly Thr Arg Asp Lys Lys
 20 25

<210> 2117
 <211> 23
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2117
 Lys Asp Arg Ala Phe Tyr Asn Gly Leu Arg Asp Leu Val Gly Ala Val
 1 5 10 15
 Tyr Gly Ala Trp Asp Lys Lys
 20

<210> 2118
 <211> 23
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2118
 Lys Val Arg Gly Phe Gln Gly Gly Thr Val Trp Pro Gly Tyr Glu Trp
 1 5 10 15
 Leu Arg Asn Ala Ala Lys Lys
 20

<210> 2119
 <211> 23
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic

peptide

<400> 2119

Lys	Ser	Met	Phe	Val	Ala	Gly	Ser	Asp	Arg	Trp	Pro	Gly	Tyr	Gly	Val
1				5					10					15	

Leu	Ala	Asp	Trp	Leu	Lys	Lys
				20		

<210> 2120

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2120

Lys	Glu	Ile	Glu	Ala	Glu	Trp	Gly	Arg	Val	Arg	Cys	Leu	Val	Tyr	Gly
1				5					10					15	

Arg	Cys	Val	Gly	Gly	Lys	Lys
				20		

<210> 2121

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2121

Lys	Trp	Leu	Asp	Gln	Glu	Trp	Ala	Trp	Val	Gln	Cys	Glu	Val	Tyr	Gly
1				5					10					15	

Arg	Gly	Cys	Pro	Ser	Lys	Lys
				20		

<210> 2122

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2122

Lys	His	Leu	Cys	Val	Leu	Glu	Glu	Leu	Phe	Trp	Gly	Ala	Ser	Leu	Phe
1				5					10					15	

Gly Tyr Cys Ser Gly Lys Lys
20

<210> 2123

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2123

Asp Tyr Lys Asp Glu Arg Ser Ala Ala Gly Phe Arg Gly Asn Phe Tyr
1 5 10 15

Asp Trp Phe Val Ala Gln Val Asn Lys Lys
20 25

<210> 2124

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2124

Leu Gly Glu Asn Phe Tyr Asp Trp Phe Val Met Gln Val Arg Lys Lys
1 5 10 15

<210> 2125

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2125

Asp Tyr Lys Asp Phe Tyr Asp Ala Ile Asp Gln Leu Val Arg Gly Ser
1 5 10 15

Ala Arg Ala Gly Gly Thr Arg Asp Lys Lys
20 25

<210> 2126

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2126

Asp	Tyr	Lys	Asp	Cys	Trp	Ala	Arg	Pro	Cys	Gly	Asp	Ala	Ala	Asn	Phe
1				5					10					15	

Tyr	Asp	Trp	Phe	Val	Gln	Gln	Ala	Ser	Lys	Lys
			20					25		

<210> 2127

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2127

Lys	Trp	Leu	Asp	Gln	Glu	Trp	Ala	Trp	Val	Gln	Cys	Glu	Val	Tyr	Gly
1				5					10					15	

Arg	Gly	Cys	Pro	Ser	Lys	Lys
			20			

<210> 2128

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2128

Lys	Arg	Gly	Phe	Gln	Gly	Gly	Thr	Val	Trp	Pro	Gly	Tyr	Glu	Trp	Leu
1				5					10					15	

Arg	Asn	Ala
-----	-----	-----

<210> 2129

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2129

Lys	His	Leu	Cys	Val	Leu	Glu	Glu	Leu	Phe	Trp	Gly	Ala	Ser	Leu	Phe
1				5					10					15	

Gly Tyr Cys Ser Gly Lys Lys
20

<210> 2130

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2130

Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys Lys
1 5 10 15

<210> 2131

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2131

Arg Leu Tyr Tyr Glu Trp Phe Trp Gly Gln Leu Glu Ala Gln Gly Arg
1 5 10 15

Gly Gly Leu Ser
20

<210> 2132

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2132

Gly Leu Glu Gln Gly Cys Pro Trp Val Gly Leu Glu Val Gln Cys Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 2133

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2133

Phe Tyr Cys Gly Leu Glu Glu Leu Ser Trp Gly Ala Ala Leu Phe Gly
1 5 10 15

Tyr Cys Ser Gly
20

<210> 2134

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2134

Gly Asn Gly Asp Gly Met Phe Tyr Gln Leu Leu Ser Leu Leu Val Gly
1 5 10 15

Arg Asp Met His
20

<210> 2135

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2135

Gly Ile Ile Ser Gln Ser Cys Pro Glu Ser Phe Tyr Asp Trp Phe Ala
1 5 10 15

Gly Gln Val Ser Asp Pro Trp Trp Cys Trp
20 25

<210> 2136

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2136

Val	Glu	Gly	Arg	Gly	Leu	Phe	Tyr	Asp	Leu	Leu	Arg	Gln	Leu	Leu	Ala
1				5					10					15	

Arg	Arg	Gln	Asn	Gly
			20	

<210> 2137

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2137

Arg	Ala	Met	Ser	Phe	Tyr	Asp	Ala	Leu	Val	Ser	Val	Leu	Gly	Leu	Gly
1				5					10					15	

Pro	Lys	Lys
-----	-----	-----

<210> 2138

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2138

Gly	Ser	Arg	Pro	Val	Phe	His	Glu	Gln	Phe	Tyr	Glu	Trp	Phe	Val	Asp
1				5					10					15	

Gln	Leu	Gly	Leu
			20

<210> 2139

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2139

Arg	Ser	Glu	Ala	Ser	Phe	His	Val	Glu	Phe	Tyr	Ser	Trp	Phe	Glu	Glu
1				5					10					15	

Gln	Leu	Arg	Ser
			20

<210> 2140
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2140
 Gly Arg Phe Tyr Gly Trp Phe Gln Asp Ala Ile Asp Gln Leu Met Pro
 1 5 10 15
 Trp Gly Phe Asp
 20

<210> 2141
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2141
 Pro Pro Trp Gly Ala Arg Phe Tyr Asp Ala Ile Glu Gln Leu Val Phe
 1 5 10 15
 Asp Asn Leu

<210> 2142
 <211> 23
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2142
 Ala Gly Val Asn Ala Gly Phe Tyr Arg Tyr Phe Ser Thr Leu Leu Asp
 1 5 10 15
 Trp Trp Asp Gln Gly Lys Lys
 20

<210> 2143
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2143

Thr Phe Tyr Ser Cys Leu Ala Ser Leu Leu Thr Gly Thr Pro Gln Pro
1 5 10 15

Asn Arg Gly Pro Trp Glu Arg Cys Arg Lys Lys
20 25

<210> 2144

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2144

Ala Ala Val His Glu Gln Phe Tyr Asp Trp Phe Ala Asp Gln Tyr Lys
1 5 10 15

Lys

<210> 2145

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2145

Gln Ser Phe Tyr Asp Tyr Ile Glu Glu Leu Leu Gly Gly Glu Trp Lys
1 5 10 15

Lys

<210> 2146

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2146

647/813

Gln Ser Phe Tyr Asp Tyr Ile Glu Glu Leu Leu Gly Gly Glu Trp Glu
1 5 10 15

Glu

<210> 2147

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2147

Gly Ser Leu Asp Glu Ser Phe Tyr Asp Trp Phe Glu Arg Gln Leu Gly
1 5 10 15

Lys Lys

<210> 2148

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2148

Gly Ser Phe Tyr Glu Ala Leu Gln Arg Leu Val Gly Gly Glu Gln Gly
1 5 10 15

Lys Lys

<210> 2149

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2149

Gln Ala Pro Ser Asn Phe Tyr Asp Trp Phe Val Arg Glu Trp Asp Lys
1 5 10 15

Lys

<210> 2150
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2150
 Asp Pro Phe Tyr Gln Gly Leu Trp Glu Trp Leu Arg Glu Ser Gly Lys
 1 5 10 15

Lys

<210> 2151
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2151
 Ala Ser Gly Phe Pro Glu Asn Phe Tyr Asp Trp Phe Gly Arg Gln Leu
 1 5 10 15

Ser Leu Lys Lys
 20

<210> 2152
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2152
 Ser Ala Cys Gln Phe Asp Cys His Glu Asn Phe Tyr Asp Trp Phe Ala
 1 5 10 15

Arg Gln Lys Lys
 20

<210> 2153
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2153

Ser	Gln	Ala	Gly	Ser	Ala	Phe	Tyr	Ala	Trp	Phe	Asp	Gln	Val	Leu	Arg
1				5				10					15		

Thr	Val	Lys	Lys
			20

<210> 2154

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2154

Val	Met	Asp	Ala	Arg	Asp	Asp	Pro	Phe	Tyr	His	Lys	Leu	Ser	Glu	Leu
1				5				10				15			

Val	Thr	Lys	Lys
			20

<210> 2155

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2155

Gln	Ser	Asp	Ala	Phe	Tyr	Ser	Gly	Leu	Trp	Ala	Leu	Ile	Gly	Leu	Ser
1				5				10				15			

Asp	Gly	Lys	Lys
			20

<210> 2156

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2156

Leu	Gln	Pro	Cys	Ser	Gly	Phe	Tyr	Glu	Cys	Ile	Glu	Arg	Leu	Ile	Gly
1				5				10				15			

Val Lys Lys

<210> 2157

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2157

Leu	Lys	Asp	Gly	Phe	Tyr	Asp	Tyr	Phe	Trp	Gln	Arg	Leu	His	Leu	Gly
1				5					10					15	

Ser Lys Lys

<210> 2158

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2158

Gly	Ser	Ala	Ser	Phe	Tyr	Asp	Ala	Ile	Asp	Arg	Leu	Leu	Arg	Met	Arg
1				5					10					15	

Ile Lys Lys

<210> 2159

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2159

Trp	Pro	Gly	Tyr	Leu	Phe	Phe	Glu	Glu	Ala	Leu	Gln	Asp	Trp	Arg	Gly
1				5					10					15	

Ser Thr Glu Asp
20

<210> 2160
 <211> 9
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2160
 Ala Phe Tyr Asp Trp Phe Ala Lys Lys
 1 5

<210> 2161
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2161
 Leu Asp Ala Leu Asp Arg Leu Met Arg Tyr Phe Glu Glu Arg Pro Ser
 1 5 10 15

Leu

<210> 2162
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2162
 Pro Leu Ala Glu Leu Trp Ala Tyr Phe Glu His Ser Glu Gln Gly Arg
 1 5 10 15

Ser Ser Ala His
 20

<210> 2163
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2163

Gly	Arg	Val	Asp	Trp	Leu	Gln	Arg	Asn	Ala	Asn	Phe	Tyr	Asp	Trp	Phe
1				5					10					15	

Val	Ala	Glu	Leu	Gly
			20	

<210> 2164

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2164

Asn	Gly	Val	Glu	Arg	Ala	Gly	Thr	Gly	Asp	Asn	Phe	Tyr	Asp	Trp	Phe
1				5					10					15	

Val	Ala	Gln	Leu	His
			20	

<210> 2165

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2165

Glu	His	Trp	Asn	Thr	Val	Asp	Pro	Phe	Tyr	Phe	Thr	Leu	Phe	Glu	Trp
1				5					10					15	

Leu	Arg	Glu	Ser	Gly
			20	

<210> 2166

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2166

Glu	His	Trp	Asn	Thr	Val	Asp	Pro	Phe	Tyr	Gln	Tyr	Phe	Ser	Glu	Leu
1				5					10					15	

Leu	Arg	Glu	Ser	Gly
			20	

<210> 2167

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2167

Gln Ser Asp Ser Gly Thr Val His Asp Arg Phe Tyr Gly Trp Phe Arg
1 5 10 15

Asp Thr Trp Ala Ser
20

<210> 2168

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2168

Phe Gln Ser Leu Leu Glu Glu Leu Val Trp Gly Ala Pro Leu Phe Arg
1 5 10 15

Tyr Gly Thr Gly
20

<210> 2169

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2169

Pro Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Tyr Cys Ser Gly
20

<210> 2170

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2170

Gln	Leu	Glu	Glu	Trp	Ala	Gly	Val	Gln	Cys	Glu	Val	Tyr	Gly	Arg
1				5				10					15	

Glu	Cys	Pro	Ser
			20

<210> 2171

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2171

Ile	Gln	Gly	Trp	Glu	Pro	Phe	Tyr	Gly	Trp	Phe	Asp	Asp	Val	Val	Ala
1				5					10					15	

Gln	Met	Phe	Glu	Glu
				20

<210> 2172

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2172

Arg	Trp	Pro	Asn	Phe	Tyr	Gly	Tyr	Phe	Glu	Ser	Leu	Leu	Thr	His	Phe
1				5					10					15	

Ser

<210> 2173

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2173

His Tyr Asn Ala Phe Tyr Glu Tyr Phe Gln Val Leu Leu Ala Glu Thr
 1 5 10 15

Trp

<210> 2174

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2174

Glu Gly Trp Asp Phe Tyr Ser Tyr Phe Ser Gly Leu Leu Ala Ser Val
 1 5 10 15

Thr

<210> 2175

<211> 44

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2175

Asp Tyr Lys Asp Ala Glu Thr Pro Ala Gln Val Gly Trp Asn Arg Leu
 1 5 10 15

Trp Ser Val Trp Pro Gly Glu His Trp Asn Thr Val Asp Pro Phe Tyr
 20 25 30

His Lys Leu Ser Glu Leu Leu Arg Glu Ser Gly Ala
 35 40

<210> 2176

<211> 44

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2176

Asp Tyr Lys Asp Arg His Leu Thr Asn Ala Glu Leu Gly Val Gln Ser
 1 5 10 15

Pro Glu Val Leu Ser Arg Leu Phe Pro Asp Gly Asp Ile Phe Tyr Arg
 20 25 30

Ala Leu Ser His Leu Val Arg Gly Met Gly Pro Pro
 35 40

<210> 2177

<211> 44

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2177

Asp Tyr Lys Asp Arg Gly Gly Met Asp Arg Gln Trp Leu Asp Val Gly
 1 5 10 15

Ala Arg His Arg Leu Glu Arg Arg Ser Val Gln Asp Asn Thr Asp Asp
 20 25 30

Phe Tyr Gly Gly Leu Arg Ile Leu Val Asp Gly Phe
 35 40

<210> 2178

<211> 44

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2178

Asp Tyr Lys Asp Gly Pro Pro Asp Ser Phe Asp Val Thr Glu Lys Gly
 1 5 10 15

Asp Met Ala Ile Leu Asn Val Arg Phe Asp Pro His Ser Leu Asp Phe
 20 25 30

Asn Asp Gln Thr Phe Tyr Phe Leu Leu Asp Ser Leu
 35 40

<210> 2179

<211> 38

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2179

657/813

Asp Tyr Lys Asp Gly Gly Thr Tyr Phe Arg Gly Gln Val Ala Gln Ser
1 5 10 15

Asn Glu Ser Leu Leu Arg Val Asn Phe Leu Gln Leu Leu Glu Ala Leu
20 25 30

Ala Ala Ser Pro Pro Thr
35

<210> 2180

<211> 44

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2180

Asp Tyr Lys Asp Ala Pro Leu Asp Ala Arg Leu Ser Ala Pro Arg Phe
1 5 10 15

Gln Trp Ser Pro Arg Thr Trp Arg Gln Ser Leu Ser Tyr Gly Glu Trp
20 25 30

Ser Cys Gly Ser Phe Tyr Asp Cys Leu Ser Ser Ile
35 40

<210> 2181

<211> 44

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2181

Asp Tyr Lys Asp Met Gly Ser Ser Gln Phe Gln Asp Thr Arg Pro Ser
1 5 10 15

Ser Gly Gln Ala Tyr Ser His Ser Leu Asp Ser Asp Gly Trp Gly Thr
20 25 30

Ala Asn Trp Ile Phe Leu Arg Ala Leu Glu Gly Leu
35 40

<210> 2182

<211> 43

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<400> 2182

Asp Tyr Lys Asp Ser Gly Ala Ala His Glu Gly Asn Gln Gly Arg Glu
 1 5 10 15

Arg Ser Thr His Leu Ala Ala Asn Ile Asn Asp His Leu Pro Gly Asp
 20 25 30

Ala Gly Ile Trp Leu Gly Tyr Ser Trp Leu Ser
 35 40

<210> 2183

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2183

Val Cys Gly Asp Arg Gly Phe Tyr Phe Asn Lys Pro Thr Gly Tyr Gly
 1 5 10 15

Ser Ser Ser Arg
 20

<210> 2184

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2184

Met Ser Ser Ser His Leu Phe Tyr Leu Ala Leu Cys Leu Leu Thr Phe
 1 5 10 15

Thr Ser Ser Ala
 20

<210> 2185

<211> 42

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2185

659/813

Thr Thr Lys Thr Arg Gly Ile Phe Gly Met Leu Leu Gly Val Leu Arg
1 5 10 15
Phe Gln Ile Leu Leu Trp Pro Phe Pro Lys Asp Cys Val Gln Met Lys
20 25 30
Asp Ile Phe Tyr Ser Leu Leu Ala Ser Leu
35 40

<210> 2186

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2186

Thr Thr Lys Thr Arg Ile Gly Cys Cys Ser Leu Val Trp Gly Trp Arg
1 5 10 15
Gly Cys Arg Leu Ala Asp Gly Phe Tyr Ala Phe Leu Met Ala Leu Ala
20 25 30

Gly

<210> 2187

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2187

Thr Thr Lys Thr Arg Leu Arg Leu Leu Leu Leu Gly Gly Asp Glu
1 5 10 15
Pro Phe Tyr Gly Leu Leu Arg Met Leu Ile Gly Arg Gly Ser
20 25 30

<210> 2188

<211> 41

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2188

Thr Thr Lys Thr Gly Trp Phe Ala Trp Val Leu Ala Phe Ser Val Gln
 1 5 10 15

Gly Val Gly Val Ala Phe Tyr Ser Ala Leu Ala Ala Leu Leu Cys Ala
 20 25 30

His Ser Ala Ser Leu Val Cys Gly Ala
 35 40

<210> 2189

<211> 44

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2189

Asp Tyr Lys Asp Pro Leu Tyr Gly Gly Gly Ile His Leu Tyr Tyr Pro
 1 5 10 15

Gly Thr Met Gly Tyr Val Pro Gly Phe Pro Arg Gln Val Lys Val Leu
 20 25 30

Gly Asp Ala Asp Lys Asn Phe Tyr Asp Trp Phe Met
 35 40

<210> 2190

<211> 43

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2190

Asp Tyr Lys Asp Tyr Arg Gly Met Leu Val Leu Gly Arg Ile Ser Asp
 1 5 10 15

Gly Ala Gly Lys Val Ala Ser Glu Pro Pro Ala Arg Ile Gly Gln Lys
 20 25 30

Val Phe Ala Val Asn Phe Tyr Asp Trp Phe Val
 35 40

<210> 2191

<211> 43

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<400> 2191

Asp Tyr Lys Asp Ser Gly Cys Cys Arg Leu Leu Gly Leu Arg Trp Met
 1 5 10 15

Phe Ile Val Ile Val Gly Trp Ser Gly Ala Leu Val Cys Gln Ser Ala
 20 25 30

Ala Ser Ala Ala Gly Phe Tyr Asp Trp Phe Val
 35 40

<210> 2192

<211> 70

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2192

Gly Pro Glu Thr Leu Cys Gly Ala Glu Leu Val Asp Ala Leu Gln Phe
 1 5 10 15

Val Cys Gly Asp Arg Gly Phe Tyr Phe Asn Lys Pro Thr Gly Tyr Gly
 20 25 30

Ser Ser Ser Arg Arg Ala Pro Gln Thr Gly Ile Val Asp Glu Cys Cys
 35 40 45

Phe Arg Ser Cys Asp Leu Arg Arg Leu Glu Met Tyr Cys Ala Pro Leu
 50 55 60

Lys Pro Ala Lys Ser Ala
 65 70

<210> 2193

<211> 139

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<400> 2193

gactacaaaag actcgtgggtt gaatttttcgg tatgttgctg ggcgtgctta ggtttcagat 60
 tcttctgtgg ccgtttccta aggattgtgt tcagatgaaa gatatttttt attcgttggt 120
 ggctagtttg gcggccgca 139

<210> 2194

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2194

Asp	Tyr	Lys	Asp	Ser	Trp	Leu	Asn	Phe	Arg	Tyr	Val	Ala	Gly	Arg	Ala
1				5					10					15	

Gln	Val	Ser	Asp	Ser	Ser	Val	Ala	Val	Ser
			20					25	

<210> 2195

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2195

Gly	Leu	Cys	Ser	Asp	Glu	Arg	Tyr	Phe	Leu	Phe	Val	Val	Gly	Gln	Phe
1				5					10					15	

Gly Gly Arg

<210> 2196

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2196

Thr	Thr	Lys	Thr	Arg	Gly
1				5	

<210> 2197

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2197

Ile	Phe	Gly	His	Leu	Leu	Gly	Val	Leu	Arg	Phe	Gln	Ile	Leu	Leu	Trp
1				5					10					15	

Pro	Phe	Pro	Lys	Asp	Cys	Val	Gln	Met	Lys	Asp	Ile	Phe	Tyr	Ser	Leu
				20				25					30		

Leu Ala Ser Leu Ala Ala Ala
35

<210> 2198

<211> 31

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2198

Leu Gln Arg Leu Val Val Glu Phe Ser Val Cys Cys Trp Ala Cys Leu
1 5 10 15

Gly Phe Arg Phe Phe Cys Gly Arg Phe Leu Arg Ile Val Phe Arg
20 25 30

<210> 2199

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2199

Lys Ile Phe Phe Ile Arg Cys Trp Leu Val Trp Arg Pro
1 5 10

<210> 2200

<211> 100

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<400> 2200

gactacaaag acgcggttgc ggctgctgtt gtcctttggg ggtgatgagc ctttttatgg 60
gcttctccgt atgctgattg gtcgtgggtc tgcggccgca 100

<210> 2201

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<400> 2201

Asp Tyr Lys Asp Ala Val Ala Ala Val Ala Trp Gly
 1 5 10

<210> 2202

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2202

Ala Phe Leu Trp Ala Ser Pro Tyr Ala Asp Trp Ser Trp Val Cys Gly
 1 5 10 15

Arg

<210> 2203

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2203

Thr Thr Lys Thr Arg Leu Arg Leu Leu Leu Leu Gly Gly Asp Glu
 1 5 10 15

Pro Phe Tyr Gly Leu Leu Arg His Leu Ile Gly Arg Gly Ser Ala Ala
 20 25 30

Ala

<210> 2204

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2204

Leu Gln Arg Arg Gly Cys Gly Cys Cys Cys Ser Leu Gly Val Met Ser
 1 5 10 15

Leu Phe His Gly Phe Ser Val Cys
20

<210> 2205

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2205

Leu Val Val Gly Leu Arg Pro
1 5

<210> 2206

<211> 139

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<400> 2206

gactacaaaag actggttggt ttgcttgggt gtgatgatta gctttttctg tttaggggggt 60
cggtgtggct ttttactcag cgttggctgc cttgttgtgt gcccatagt cttctttggt 120
gtgtggtgcg gcggccgca 139

<210> 2207

<211> 46

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2207

Asp Tyr Lys Asp Trp Leu Val Cys Leu Gly Val Met Ile Ser Phe Phe
1 5 10 15

Cys Leu Gly Gly Arg Cys Gly Phe Leu Leu Ser Val Gly Cys Leu Val
20 25 30

Val Cys Pro Gln Cys Phe Phe Gly Val Trp Cys Gly Gly Arg
35 40 45

<210> 2208

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2208

Thr Thr Lys Thr Gly Trp Phe Ala Trp Val
 1 5 10

<210> 2209

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2209

Leu Ala Phe Ser Val Gln Gly Val Gly Val Ala Phe Tyr Ser Ala Leu
 1 5 10 15

Ala Ala Leu Leu Cys Ala His Ser Ala Ser Leu Val Cys Gly Ala Ala
 20 25 30

Ala Ala

<210> 2210

<211> 45

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2210

Leu Gln Arg Leu Val Gly Leu Leu Gly Cys Asp Asp Gln Leu Phe Leu
 1 5 10 15

Phe Arg Gly Ser Val Trp Leu Phe Thr Gln Arg Trp Leu Pro Cys Cys
 20 25 30

Val Pro Ile Val Leu Leu Trp Cys Val Val Arg Arg Pro
 35 40 45

<210> 2211

<211> 112

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<400> 2211
gactacaaag acccgattg ggtggttag ctgattagtt tgggggttga ggggatgtag 60
attggctgat gggttttatg cgtttttgat ggcgctggct ggggcggccg ca 112

<210> 2212
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2212
Asp Tyr Lys Asp Pro Asp Trp Val Leu Gln Leu Ile Ser Leu Gly Leu
1 5 10 15
Glu Gly Met Gln Ile Gly
20

<210> 2213
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2213
Trp Val Leu Cys Val Phe Asp Gly Ala Gly Trp Gly Gly Arg
1 5 10

<210> 2214
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2214
Thr Thr Lys Thr Arg Ile Gly Cys Cys Ser
1 5 10

<210> 2215
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic

peptide

<400> 2215

Leu Val Trp Gly Trp Arg Gly Cys Arg Leu Ala Asp Gly Phe Tyr Ala
 1 5 10 15

Phe Leu Met Ala Leu Ala Gly Ala Ala Ala
 20 25

<210> 2216

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2216

Leu Gln Arg Pro Gly Leu Gly Val Val Ala Asp Gln Phe Gly Val Gly
 1 5 10 15

Gly Asp Val Asp Trp Leu Met Gly Phe Met Arg Phe
 20 25

<210> 2217

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2217

Trp Arg Trp Leu Gly Arg Pro
 1 5

<210> 2218

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2218

Ala Glu Thr Pro Ala Gln Val Gly Trp Asn Arg Leu Trp Ser Val Trp
 1 5 10 15

Pro Gly Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser
 20 25 30

Glu Leu Leu Arg Glu Ser Gly Ala
 35 40

<210> 2219
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2219
 Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser Glu Leu Leu Arg Glu
 1 5 10 15

Lys Lys

<210> 2220
 <211> 33
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2220
 Met Leu Leu Gly Val Leu Arg Phe Gln Ile Leu Leu Trp Pro Phe Pro
 1 5 10 15

Lys Asp Cys Val Gln Met Lys Asp Ile Phe Tyr Ser Leu Leu Ala Ser
 20 25 30

Leu

<210> 2221
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2221
 Gln Met Lys Asp Ile Phe Tyr Ser Leu Leu Ala Ser Leu Ala Ala Lys
 1 5 10 15

Lys

<210> 2222

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2222

Pro Leu Tyr Gly Gly Gly Ile His Leu Tyr Tyr Pro Gly Thr Met Gly
 1 5 10 15

Tyr Val Pro Gly Phe Pro Arg Gln Val Lys Val Leu Gly Asp Ala Asp
 20 25 30

Lys Asn Phe Tyr Asp Trp Phe Met
 35 40

<210> 2223

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2223

Ala Asp Lys Asn Phe Tyr Asp Trp Phe Met Ala Ala Lys Lys
 1 5 10

<210> 2224

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2224

Tyr Arg Gly Met Leu Val Leu Gly Arg Ile Ser Asp Gly Ala Gly Lys
 1 5 10 15

Val Ala Ser Glu Pro Pro Ala Arg Ile Gly Gln Lys Val Phe Ala Val
 20 25 30

Asn Phe Tyr Asp Trp Phe Val
 35

<210> 2225

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2225

Ser Ala Lys Asn Phe Tyr Asp Trp Phe Val Lys Lys
1 5 10

<210> 2226

<211> 150

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<220>

<221> CDS

<222> (1)..(150)

<400> 2226

gac tac aaa gac gac gat gac aag tac cgt ggt atg ctg gtt ctg ggt	48
Asp Tyr Lys Asp Asp Asp Asp Lys Tyr Arg Gly Met Leu Val Leu Gly	
1 5 10 15	
cg t atc tct gac ggt gct ggt aaa gtt gct tct gaa ccg ccg gct cgt	96
Arg Ile Ser Asp Gly Ala Gly Lys Val Ala Ser Glu Pro Pro Ala Arg	
20 25 30	
atc ggt cag aaa gtt ttc gct gtt aac ttc tac gac tgg ttc gtt gcg	144
Ile Gly Gln Lys Val Phe Ala Val Asn Phe Tyr Asp Trp Phe Val Ala	
35 40 45	
gcc gca	150
Ala Ala	
50	

<210> 2227

<211> 50

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2227

Asp Tyr Lys Asp Asp Asp Asp Lys Tyr Arg Gly Met Leu Val Leu Gly	
1 5 10 15	
Arg Ile Ser Asp Gly Ala Gly Lys Val Ala Ser Glu Pro Pro Ala Arg	
20 25 30	

Ile Gly Gln Lys Val Phe Ala Val Asn Phe Tyr Asp Trp Phe Val Ala
 35 40 45

Ala Ala
 50

<210> 2228
 <211> 154
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic DNA

<400> 2228
 ctacaaagac gacgatgaca agtaccgtgg tatgctgggt ctgggtcgta tctctgacgg 60
 tgctggtaaa gttgcttctg aaccgcgggc tcgtatcggt cagaaagttt tcgctggttaa 120
 cttctacgac tggttcggtg cggccgcagt gtga 154

<210> 2229
 <211> 75
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic DNA

<220>
 <221> CDS
 <222> (1)..(75)

<220>
 <223> "n" bases represent a, t, c, g, other or unknown;
 Xaa represents a variable or unknown amino acid

<400> 2229
 gac tac aaa gac nnk nnk nnk nnk nnk nnk nnk nnk nnk nnk aac ttc 48
 Asp Tyr Lys Asp Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Asn Phe
 1 5 10 15
 tac gac tgg ttc gtt nnk nnk nnk nnk 75
 Tyr Asp Trp Phe Val Xaa Xaa Xaa Xaa
 20 25

<210> 2230
 <211> 25
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 2230

Asp Tyr Lys Asp Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Asn Phe
 1 5 10 15

Tyr Asp Trp Phe Val Xaa Xaa Xaa Xaa
 20 25

<210> 2231

<211> 88

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<220>

<223> "n" bases represent a, t, c, g, other or unknown

<400> 2231

ctacaaagac nnknknknkn nkknknknkn knknknknkn aacttctacg actgggttcgt 60
 tnnknknknkn nnkgcggcgc cagtgtga 88

<210> 2232

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2232

Asp Tyr Lys Asp Leu Cys Gln Ser Leu Gly Val Thr Tyr Pro Gly Trp
 1 5 10 15

Leu Ala Gly Trp Cys Ala Lys Lys
 20

<210> 2233

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2233

Asp Tyr Lys Asp Trp Cys Leu Thr Leu Gln Pro Leu Val Trp Ala Ser
 1 5 10 15

Gly Gly Gly Tyr Cys Ala Lys Lys
 20

<210> 2234
 <211> 24
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2234
 Asp Tyr Lys Asp Val Cys Gln Arg Leu Gly Gly Thr Phe Pro Gly Trp
 1 5 10 15
 Leu Val Gly Val Cys Arg Lys Lys
 20

<210> 2235
 <211> 24
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2235
 Asp Tyr Lys Asp Leu Cys Gln Arg Leu Gly Val Gly Trp Pro Gly Trp
 1 5 10 15
 Leu Ser Gly Trp Cys Ala Lys Lys
 20

<210> 2236
 <211> 24
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2236
 Asp Tyr Lys Asp Leu Cys Gln Ser Leu Gly Val Thr Trp Pro Gly Trp
 1 5 10 15
 Leu Ala Gly Trp Cys Ala Lys Lys
 20

<210> 2237
 <211> 28
 <212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2237

Asp Tyr Lys Asp Arg Ile His Asn Gln Thr Glu Arg Gly Gly Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val His Gln Leu Val Ala Ala Ala
20 25

<210> 2238

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2238

Asp Tyr Lys Asp Val Ala Thr Val His Val Gly Gly Gly Met Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Ala Gln Val Gly Ala Ala Ala
20 25

<210> 2239

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2239

Asp Tyr Lys Asp Lys Asp Pro Val Thr Val Ser Gln Gly Arg Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Val Gln Ile Gln Ala Ala Ala
20 25

<210> 2240

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2240

Asp Tyr Lys Asp Arg Val Gly Ser Gly Met Glu Asp Leu Gly Asn Phe
 1 5 10 15

Tyr Asp Trp Phe Val Arg Gln Ala Gln Ala Ala Ala
 20 25

<210> 2241

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2241

Asp Tyr Lys Asp His Lys Ser Trp Thr Thr Met Ser Pro Leu Asn Phe
 1 5 10 15

Tyr Asp Trp Phe Val Ala Gln Val Glu Ala Ala Ala
 20 25

<210> 2242

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2242

Asp Tyr Lys Asp Leu Ala Met Ser Val Ala Ser Arg Pro Ala Asn Phe
 1 5 10 15

Tyr Asp Trp Phe Val Ala Gln Ile Val Ala Ala Ala
 20 25

<210> 2243

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2243

Asp Tyr Lys Asp Arg Ala Glu Arg Gly Ser Met Arg Asp Ser Asn Phe
 1 5 10 15

Tyr Asp Trp Phe Val Gln Gln Leu Pro Ala Ala Ala
 20 25

<210> 2244
 <211> 28
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2244
 Asp Tyr Lys Asp Val Gln Glu Gly Leu Ser Gly Met Glu Gly Asn Phe
 1 5 10 15
 Tyr Asp Trp Phe Val Asp Gln Leu Phe Ala Ala Ala
 20 25

<210> 2245
 <211> 28
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2245
 Asp Tyr Lys Asp Arg Gly Gln Arg Glu Ser Asp Ser Gly Thr Asn Phe
 1 5 10 15
 Tyr Asp Trp Phe Val Gly Ala Ile Arg Ala Ala Ala
 20 25

<210> 2246
 <211> 28
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2246
 Asp Tyr Lys Asp Ser Arg Ala Pro Tyr Gly Ser Thr Ala Gly Asn Phe
 1 5 10 15
 Tyr Asp Trp Phe Val Gln Ala Val Ser Ala Ala Ala
 20 25

<210> 2247
 <211> 28
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2247

Asp	Tyr	Lys	Asp	Arg	Val	Gly	Ile	Gln	Val	Asp	Pro	His	Thr	Asn	Phe
1				5					10					15	

Tyr	Asp	Trp	Phe	Val	Ile	Gln	Leu	Thr	Ala	Ala	Ala
			20					25			

<210> 2248

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2248

Asp	Tyr	Lys	Asp	Val	Gly	Gln	Val	Gly	Arg	Tyr	Val	Arg	Ser	Asn	Phe
1				5					10					15	

Tyr	Asp	Trp	Phe	Val	Gln	Gln	Ala	Met	Ala	Ala	Ala
			20					25			

<210> 2249

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2249

Asp	Tyr	Lys	Asp	Arg	Pro	Gln	Leu	Val	Glu	Ser	Gly	Ser	Lys	Asn	Phe
1				5					10					15	

Tyr	Asp	Trp	Phe	Val	Gln	Val	Val	Arg	Ala	Ala	Ala
			20					25			

<210> 2250

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2250

Asp Tyr Lys Asp Glu Met Tyr Gly Asp Thr Ser Glu Arg Val Asn Phe
 1 5 10 15

Tyr Asp Trp Phe Val Ser Ala Leu Gln Ala Ala Ala
 20 25

<210> 2251

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2251

Asp Tyr Lys Asp Leu Ser Ser Arg Gly Arg Val Thr Met Arg Asn Phe
 1 5 10 15

Tyr Asp Trp Phe Val Ala Gln Val Val Ala Ala Ala
 20 25

<210> 2252

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2252

Asp Tyr Lys Asp Arg Val Arg Glu Lys Leu Pro Arg Pro Glu Asn Phe
 1 5 10 15

Tyr Asp Trp Phe Val Asn Gln Ile His Ala Ala Ala
 20 25

<210> 2253

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2253

Asp Tyr Lys Asp Thr Trp Met Trp Glu Glu Arg Lys Gln Asp Asn Phe
 1 5 10 15

Tyr Asp Trp Phe Val Gly Gln Leu Lys Ala Ala Ala
 20 25

<210> 2254
 <211> 28
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2254
 Asp Tyr Lys Asp Arg Tyr Arg Gly Glu Arg His Asp Gly Arg Asn Phe
 1 5 10 15
 Tyr Asp Trp Phe Val Glu Gln Val Asn Ala Ala Ala
 20 25

<210> 2255
 <211> 28
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2255
 Asp Tyr Lys Asp Gln Gly Ala Glu Gly Arg Leu Ser Glu Gly Asn Phe
 1 5 10 15
 Tyr Asp Trp Phe Val Gln Ala Val Ser Ala Ala Ala
 20 25

<210> 2256
 <211> 28
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2256
 Asp Tyr Lys Asp Tyr Ser Ile Glu Val Gln Asp Trp Asn Glu Asn Phe
 1 5 10 15
 Tyr Asp Trp Phe Val Ser Gln Leu Gly Ala Ala Ala
 20 25

<210> 2257
 <211> 28
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2257

Asp	Tyr	Lys	Asp	Pro	Arg	Leu	His	Met	Gly	Ser	Asp	Met	Gly	Asp	Phe
1				5					10					15	

Tyr	Asp	Trp	Phe	Val	Val	Gln	Ile	Ala	Ala	Ala	Ala
			20				25				

<210> 2258

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2258

Asp	Tyr	Lys	Asp	Gly	Arg	Gly	Gln	Gly	Leu	Lys	Arg	Pro	Asp	Asn	Phe
1				5					10					15	

Tyr	Asp	Trp	Phe	Val	Ala	Ala	Ala	Lys	Ala	Ala	Ala
			20				25				

<210> 2259

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2259

Asp	Tyr	Lys	Asp	Gly	Ala	Val	Gly	Leu	Ala	Glu	Ala	Gly	Pro	Asn	Phe
1				5					10					15	

Tyr	Asp	Trp	Phe	Val	Ser	Gln	Val	Gln	Ala	Ala	Ala
			20				25				

<210> 2260

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2260

Asp	Tyr	Gln	Asp	Pro	Ala	Ser	Asn	Lys	Asn	Ser	Leu	Ala	Glu	Asn	Phe
1				5					10					15	

Tyr Asp Trp Phe Val Gln Gln Thr Arg Ala Ala Ala
20 25

<210> 2261

<211> 29

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2261

Asp Tyr Lys Asp Asp Ala Arg Asp His Gly Val Trp Val Met Ser Asn
1 5 10 15

Phe Tyr Asp Trp Phe Val Ala Gln Val Ser Ala Ala Ala
20 25

<210> 2262

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2262

Asp Tyr Lys Asp Ser Leu Gln Gly Ala Asp Phe Gln Gln Gly Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Ser Glu Leu Ala Ala Ala Ala
20 25

<210> 2263

<211> 28

<212> PRT

<213> Artificial Sequence

 $\langle 220 \rangle$

<223> Description of Artificial Sequence: synthetic peptide

<400> 2263

Asp Tyr Lys Asp Arg Pro Ser Leu Pro Glu Val Arg Pro Gly Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Gln Ser Val Arg Ala Ala Ala
20 25

<210> 2264
 <211> 28
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2264
 Asp Tyr Lys Asp Asn Pro Thr Ser Val Gln Gln Tyr Gly Val Asn Phe
 1 5 10 15
 Tyr Asp Trp Phe Val Asn Val Leu Ser Ala Ala Ala
 20 25

<210> 2265
 <211> 28
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2265
 Asp Tyr Lys Asp Cys Ala Asp Pro Gly Ala Cys Ser Ser Leu Asn Phe
 1 5 10 15
 Tyr Asp Trp Phe Val Gln Met Arg Gly Ala Ala Ala
 20 25

<210> 2266
 <211> 28
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2266
 Asp Tyr Lys Asp Tyr Asp Gln Asp Pro Pro Tyr Trp Gly Leu Asn Phe
 1 5 10 15
 Tyr Asp Trp Phe Val Arg Glu Val Ala Ala Ala Ala
 20 25

<210> 2267
 <211> 28
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2267

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Asp Tyr Lys Asp Arg Pro Val Ile Gly Gly Gly Gly Thr Arg Asn Phe
 1             5             10             15

Tyr Asp Trp Phe Val Ala Gln Met Ile Ala Ala Ala
          20             25

```

<210> 2268

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2268

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Asp Tyr Lys Asp Gln Glu Val Thr Arg Thr Arg Asp Asp Lys Asn Phe
 1             5             10             15

Tyr Asp Trp Phe Val Ser Gln Ile Phe Ala Ala Ala
          20             25

```

<210> 2269

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2269

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Asp Tyr Lys Asp Pro Pro Tyr Arg Ser Ser Arg Leu Gly Glu Asn Phe
 1             5             10             15

Tyr Asp Trp Phe Val Met Gln Val Arg Ala Ala Ala
          20             25

```

<210> 2270

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2270

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Asp Tyr Lys Asp Leu Lys Gly Ser Ser Gln Pro Leu Ser Val Asn Phe
 1             5             10             15

```

Tyr Asp Trp Phe Val Gln Gln Ile Lys Ala Ala Ala
 20 25

<210> 2271

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2271

Asp Tyr Lys Asp Pro Arg Met Val Glu Lys Pro Ser Glu Asp Asn Phe
 1 5 10 15

Tyr Asp Trp Phe Val Thr Gln Leu Ser Ala Ala Ala
 20 25

<210> 2272

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2272

Asp Tyr Lys Asp Cys Trp Ala Arg Pro Cys Gly Asp Ala Ala Asn Phe
 1 5 10 15

Tyr Asp Trp Phe Val Gln Gln Ala Ser Ala Ala Ala
 20 25

<210> 2273

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2273

Asp Tyr Lys Asp Gly Ala Gln Ala Ile Arg Glu Ile His His Asn Phe
 1 5 10 15

Tyr Asp Trp Phe Val Ala Gln Val Thr Ala Ala Ala
 20 25

<210> 2274

<211> 28
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2274
 Asp Tyr Lys Asp Gly Arg Gly Asp Gln Arg His Glu Thr Thr Asn Phe
 1 5 10 15
 Tyr Asp Trp Phe Val Arg Glu Leu Gln Ala Ala Ala
 20 25

<210> 2275
 <211> 28
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2275
 Asp Tyr Lys Asp Gly Ser Ile Ala Gln Leu Ile Met Arg Ala Asn Phe
 1 5 10 15
 Tyr Asp Trp Phe Val Glu Gln Thr Asn Ala Ala Ala
 20 25

<210> 2276
 <211> 28
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2276
 Asp Tyr Lys Asp Arg Leu Met Gly Gly Ile Ala Glu Pro Gln Asn Phe
 1 5 10 15
 Tyr Asp Trp Phe Val Arg Glu Val Ala Ala Ala Ala
 20 25

<210> 2277
 <211> 28
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic

peptide

<400> 2277

Asp Tyr Lys Asp His His Ser Pro Gly Asn Glu His Gly Tyr Asn Phe
 1 5 10 15

Tyr Asp Trp Phe Val Leu Gln Val Ala Ala Ala Ala
 20 25

<210> 2278

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2278

Asp Tyr Lys Asp Glu Arg Ser Ala Ala Gly Phe Arg Glu Gly Asn Phe
 1 5 10 15

Tyr Asp Trp Phe Val Ala Gln Val Asn Ala Ala Ala
 20 25

<210> 2279

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2279

Asp Tyr Lys Asp Gly Ser Gln His Ser Gly Arg Glu Pro His Asn Phe
 1 5 10 15

Tyr Asp Trp Phe Val Ala Gln Val Gly Ala Ala Ala
 20 25

<210> 2280

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2280

Asp Tyr Lys Asp Ile Ala Arg Met Arg Glu Thr Phe Gln Pro Asn Phe
 1 5 10 15

Tyr Asp Trp Phe Val Asp Gln Leu Ala Ala Ala Ala
 20 25

<210> 2281

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2281

Asp Tyr Lys Asp Arg Leu Asp Arg Ser Ser Thr Ser Gly Val Asn Phe
 1 5 10 15

Tyr Asp Trp Phe Val Ala Gln Val Gly Ala Ala Ala
 20 25

<210> 2282

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2282

Asp Tyr Lys Asp Gly Leu Arg Ser Glu Gln Gly Asn Arg Leu Asn Phe
 1 5 10 15

Tyr Asp Trp Phe Val Ala Gln Ile Ala Ala Ala Ala
 20 25

<210> 2283

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2283

Asp Tyr Lys Asp Ser Val Ile Gln Thr Arg Gln Asp Glu Thr Asn Phe
 1 5 10 15

Tyr Asp Trp Phe Val Ala Met Ser Ala Ala Ala
 20 25

<210> 2284

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2284

Asp Tyr Lys Asp Val Glu Val Gln Arg His Ile Arg Lys Asp Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Lys Gln Ile Asp Ala Ala Ala
20 25

<210> 2285

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2285

Asp Tyr Lys Asp Val Thr Met Leu Asp Lys Gly Ala Gln Asp Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Arg Glu Val Ala Ala Ala Ala
20 25

<210> 2286

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2286

Asp Tyr Lys Asp His Asn Ser Ser Ser Pro Met Arg Thr Gly Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Gln Glu Leu Arg Ala Ala Ala
20 25

<210> 2287

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2287

Asp Tyr Lys Asp Glu Arg Ser Pro Arg Pro Ala Leu Ala Ser Asn Phe
 1 5 10 15

Tyr Asp Trp Phe Val Gln Gln Val Val Ala Ala Ala
 20 25

<210> 2288

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2288

Asp Tyr Lys Asp Ser Asp Ala Arg Gln Ala Gly Leu Gln Glu Asn Phe
 1 5 10 15

Tyr Asp Trp Phe Val Ser Gln Val Arg Ala Ala Ala
 20 25

<210> 2289

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2289

Asp Tyr Lys Asp Arg His Glu Arg Gly Lys Glu Gly Pro Gly Asn Phe
 1 5 10 15

Tyr Asp Trp Phe Val Ser Gln Val Val Ala Ala Ala
 20 25

<210> 2290

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2290

Asp Tyr Lys Asp Ser Ala Leu Ser Gly Pro Val Gln Pro Ile Asn Phe
 1 5 10 15

Tyr Asp Trp Phe Val Thr Gly Met Ala Ala Ala
 20 25

<210> 2291
 <211> 28
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 2291
 Asp Tyr Lys Asp His Val Glu His Met Ala Val Gly Asp Gly Asn Phe
 1 5 10 15
 Tyr Asp Trp Phe Val Val Gln Leu Arg Ala Ala Ala
 20 25

<210> 2292
 <211> 28
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 2292
 Asp Tyr Lys Asp Val Gly His Ser Gly Val Pro Pro Tyr Pro Asn Phe
 1 5 10 15
 Tyr Asp Trp Phe Val Met Gln Val Ser Ala Ala Ala
 20 25

<210> 2293
 <211> 28
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 2293
 Asp Tyr Lys Asp Leu Gly Ala Ala Glu Thr Trp Asp Gly Ile Asn Phe
 1 5 10 15
 Tyr Asp Trp Phe Val Lys Gln Val Ser Ala Ala Ala
 20 25

<210> 2294
 <211> 28
 <212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2294

Asp Tyr Lys Asp Arg Ser Ser Gly Gly Leu Leu Ser Gln Gly Asn Phe
 1 5 10 15

Tyr Asp Trp Phe Val Ser Gln Leu Glu Ala Ala Ala
 20 25

<210> 2295

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2295

Asp Tyr Lys Asp Leu Ala Ile Asn Asp Leu Val Thr His Lys Asn Phe
 1 5 10 15

Tyr Asp Trp Phe Val Asp Gln Leu Arg Ala Ala Ala
 20 25

<210> 2296

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2296

Asp Tyr Lys Asp Arg Gly Met Thr Gly Met Val Gly Arg Gly Asn Phe
 1 5 10 15

Tyr Asp Trp Phe Val Gly Gln Leu Arg Ala Ala Ala
 20 25

<210> 2297

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2297

Asp Tyr Lys Asp Ile Gly Gly Gln Gly Gln His Gln Asp Gly Asn Phe
 1 5 10 15

Tyr Asp Trp Phe Val Glu Ala Leu Ala Ala Ala Ala
 20 25

<210> 2298

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2298

Asp Tyr Lys Asp Gln Ser Val Asp Leu Ser Arg Pro Asp Ser Asn Phe
 1 5 10 15

Tyr Asp Trp Phe Val Glu Val Leu Ser Ala Ala Ala
 20 25

<210> 2299

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2299

Asp Tyr Lys Asp Val Thr Phe Thr Ser Ala Val Phe His Glu Asn Phe
 1 5 10 15

Tyr Asp Trp Phe Val Arg Gln Val Ser Ala Ala Ala
 20 25

<210> 2300

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2300

Asp Tyr Lys Asp Ser Asn Pro Ser Arg Gln Asp Ala Ser Val Asn Phe
 1 5 10 15

Tyr Asp Trp Phe Val Arg Glu Val Ala Ala Ala Ala
 20 25

<210> 2301
 <211> 28
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 2301
 Asp Tyr Lys Asp Ile Val Ala Gly Ala Arg His Ser Glu Val Asn Phe
 1 5 10 15
 Tyr Asp Trp Phe Val Ile Gln Val Arg Ala Ala Ala
 20 25

<210> 2302
 <211> 28
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<220>
 <223> Xaa represents a variable or unknown amino acid
 <400> 2302
 Asp Tyr Lys Asp Xaa Asp Gly Gln Ser Val Ser Ser Lys Gly Asn Phe
 1 5 10 15
 Tyr Asp Trp Phe Val Gln Gln Met Thr Ala Ala Ala
 20 25

<210> 2303
 <211> 28
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 2303
 Asp Tyr Lys Asp Ala Glu Leu Val Gly Ala Gly Val Arg Gly Asn Phe
 1 5 10 15
 Tyr Asp Trp Phe Val Asp Gln Leu Val Ala Ala Ala
 20 25

<210> 2304

<211> 28
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2304
 Asp His Lys Asp Ser Ala Gly His His Met Pro Arg Glu Ser Asn Phe
 1 5 10 15
 Tyr Asp Trp Phe Val Asp Gln Val Val Ala Ala Ala
 20 25

<210> 2305
 <211> 28
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2305
 Asp Tyr Lys Asp Asp Ser Ser Arg Leu Trp Leu Gly Glu Arg Asn Phe
 1 5 10 15
 Tyr Asp Trp Phe Val Ala Gln Ile Ser Ala Ala Ala
 20 25

<210> 2306
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2306
 Leu Cys Gln Ser Leu Gly Val Thr Tyr Pro Gly Trp Leu Ala Gly Trp
 1 5 10 15
 Cys Ala

<210> 2307
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic

peptide

<400> 2307

Val	Cys	Gln	Arg	Leu	Gly	Gly	Thr	Phe	Pro	Gly	Trp	Leu	Val	Gly	Val
1				5					10					15	

Cys Arg

<210> 2308

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2308

Leu	Cys	Gln	Ser	Trp	Gly	Val	Arg	Ile	Gly	Trp	Leu	Ala	Gly	Leu	Cys
1				5					10					15	

Pro

<210> 2309

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2309

Leu	Cys	Gln	Ser	Leu	Gly	Phe	Thr	Asp	Leu	Asp	Trp	Leu	Ala	Cys	Trp
1				5					10					15	

Phe Glu

<210> 2310

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2310

Val	Cys	Gln	Ser	Leu	Gly	Ile	Thr	Asp	Leu	Gly	Leu	Cys	Ala	Gly	Trp
1				5					10					15	

Gly Ala

<210> 2311
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2311
 Leu Cys Gln Ser Leu Gly Leu Thr His Pro Gly Phe Glu Ala Trp Leu
 1 5 10 15

Cys Ala

<210> 2312
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2312
 Leu Cys Gln Asn Phe Gly Val Thr Asp Pro Gly Cys Phe Tyr Gly Trp
 1 5 10 15

Phe Ala

<210> 2313
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2313
 Leu Cys Gln Ser Ser Gly Leu Ser Phe Leu Gly Cys Leu Gly Trp Trp
 1 5 10 15

Ala

<210> 2314
 <211> 18

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2314
Pro Cys Gln Arg Leu Gly Asp Thr His Leu Cys Trp Leu Ala Gly Trp
1 5 10 15

Phe Ala

<210> 2315
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2315
Pro Cys Gln Ser Leu Gly Leu Thr Cys Ser Gly Trp Phe Glu Gly Trp
1 5 10 15

Gly Ala

<210> 2316
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2316
Gln Trp Gln Ser Leu Gly Val Thr Cys Pro Gly Ser Trp Ala Glu Leu
1 5 10 15

Cys Ala

<210> 2317
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2317

Leu Trp Gln Ser Val Gly Ile Lys Tyr Pro Gly Gly Leu Ala Gly Trp
 1 5 10 15

Leu Ala

<210> 2318

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2318

Leu Cys Gln Ser Leu Gly Val Thr Tyr Trp Glu Gly Leu Ala Trp Leu
 1 5 10 15

Cys Ala

<210> 2319

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2319

Val Cys Gln Gly Leu Gly Val Glu Cys Pro Gly Trp Phe Ala Gly Trp
 1 5 10 15

Trp Ala

<210> 2320

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2320

Leu Cys Gln Gly Trp Gly Ile Arg Ile Gly Trp Leu Val Gly Arg Cys
 1 5 10 15

Met

<210> 2321
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 2321
 Leu Cys Gln Ser Leu Gly Val Thr Tyr Pro Gly Trp Leu Ala Gly Gly
 1 5 10 15

Cys Ala

<210> 2322
 <211> 25
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic DNA

<220>
 <223> "n" bases represent a, t, c, g, other or unknown

<400> 2322
 ccggaattcg gcccagccgg ccnnn 25

<210> 2323
 <211> 25
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic DNA

<220>
 <223> "n" bases represent a, t, c, g, other or unknown

<400> 2323
 ccggaattcg gcccagccgg ccnnn 25

<210> 2324
 <211> 25
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic DNA

<220>

<223> "n" bases represent a, t, c, g, other or unknown

<400> 2324

ccggaattcg gccagccgg ccnnn

25

<210> 2325

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2325

Trp Gly Glu Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser
1 5 10 15

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
20 25

<210> 2326

<211> 79

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<220>

<223> "n" bases represent a, t, c, g, other or unknown

<400> 2326

nnvaccgccg tcccttgga ccagtggcag aggagtccac ctccgccaag tccgcctcca 60
ccgagaccgc caccgccta 79

<210> 2327

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2327

Trp Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
1 5 10

<210> 2328

<211> 66

<212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic DNA

<400> 2328
 tggacgttcg gccaaagggac caaggtggaa atcaaagcgg ccgcagtgtg agtccaaaag 60
 atttcg 66

<210> 2329
 <211> 68
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic DNA

<400> 2329
 cgaaatcttt tggactcaca ctgcggccgc ttgatttcc accttgggtcc cttggccgaa 60
 cgtccaag 68

<210> 2330
 <211> 12
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2330
 Tyr Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
 1 5 10

<210> 2331
 <211> 36
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic DNA

<400> 2331
 tacacttttg gccaggggac caagctggag atcaaa 36

<210> 2332
 <211> 38
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic DNA

<400> 2332
 tttgatctcc agcttggtcc cctggccaaa agtgtaag

38

<210> 2333
 <211> 12
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2333
 Phe Thr Phe Gly Pro Gly Thr Lys Val Asp Ile Lys
 1 5 10

<210> 2334
 <211> 36
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic DNA

<400> 2334
 ttcactttcg gccctgggac caaagtggat atcaaa

36

<210> 2335
 <211> 38
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic DNA

<400> 2335
 tttgatatcc actttggtcc cagggccgaa agtgaaag

38

<210> 2336
 <211> 12
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2336
 Leu Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
 1 5 10

<210> 2337
 <211> 36
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic DNA

<400> 2337
 ctcacttttcg gcggagggac caaggtggag atcaaa 36

<210> 2338
 <211> 38
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic DNA

<400> 2338
 tttgatctcc accttgggtcc ctccgccgaa agtgagag 38

<210> 2339
 <211> 12
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2339
 Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
 1 5 10

<210> 2340
 <211> 66
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic DNA

<400> 2340
 gtgggtatttcg gcggagggac caagctgacc gtcctagcgg ccgcagtggt agtccaaaag 60
 atttcg 66

<210> 2341
 <211> 68
 <212> DNA
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<400> 2341

cgaaatcttt tggactcaca ctgcgggccgc taggacggtc agcttggtcc ctccgccgaa 60
taccacat 68

<210> 2342

<211> 767

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<220>

<221> CDS

<222> (19)..(759)

<400> 2342

gcccagccgg ccatggcc	cag	gtg	cag	ctg	gtg	gag	tct	ggg	gga	ggc	ttg	51
	Gln	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly	Gly	Leu	
	1				5					10		
gta aag cct ggg ggg tcc ctt aga ctc tcc tgt gca gcc tct gga ttc	99											
Val Lys Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe												
	15	20	25									
act ttc agt aac gcc tgg atg agc tgg gtc cgc cag gct cca ggg aag	147											
Thr Phe Ser Asn Ala Trp Met Ser Trp Val Arg Gln Ala Pro Gly Lys												
	30	35	40									
ggg ctg gag tgg gtt ggc cgt att aaa agc aaa act gat ggt ggg aca	195											
Gly Leu Glu Trp Val Gly Arg Ile Lys Ser Lys Thr Asp Gly Gly Thr												
	45	50	55									
aca gac tac gct gca ccc gtg aaa ggc aga ttc acc atc tca aga gat	243											
Thr Asp Tyr Ala Ala Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp												
	60	65	70	75								
gat tca aaa aac acg ctg tat ctg caa atg aac agc ctg aaa acc gag	291											
Asp Ser Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser Leu Lys Thr Glu												
	80	85	90									
gac aca gcc gtg tat tac tgt acc aca gtt gcg ttg tct gcc gac cgt	339											
Asp Thr Ala Val Tyr Tyr Cys Thr Thr Val Ala Leu Ser Ala Asp Arg												
	95	100	105									
ggg atg tgg ggt caa gga act ctg gtc acc gtc tcc tca ggt gga ggc	387											
Gly Met Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly												
	110	115	120									
ggt tca ggc gga ggt ggc tct ggc ggt ggc gga tcc gat gtt gtg atg	435											
Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Val Val Met												
	125	130	135									
act cag tct cca ctc tcc ctg ccc gtc acc ctt gga cag ccg gcc tcc	483											

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Thr Gln Ser Pro Leu Ser Leu Pro Val Thr Leu Gly Gln Pro Ala Ser
140                      145                      150                      155

atc tcc tgc agg tct agt caa agc ctc gta tac agt gat gga aac acc 531
Ile Ser Cys Arg Ser Ser Gln Ser Leu Val Tyr Ser Asp Gly Asn Thr
                      160                      165                      170

tac ttg aat tgg ttt cag cag agg cca ggc caa tct cca agg cgc cta 579
Tyr Leu Asn Trp Phe Gln Gln Arg Pro Gly Gln Ser Pro Arg Arg Leu
                      175                      180                      185

att tat aag gtt tct aac cgg gac tct ggg gtc cca gac aga ttc agc 627
Ile Tyr Lys Val Ser Asn Arg Asp Ser Gly Val Pro Asp Arg Phe Ser
                      190                      195                      200

ggc agt ggg tca ggc act gat ttc aca ctg aaa atc agc agg gtg gag 675
Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Lys Ile Ser Arg Val Glu
                      205                      210                      215

gct gag gat gtt ggg gtt tat tac tgc atg caa ggt aca cac tgg cct 723
Ala Glu Asp Val Gly Val Tyr Tyr Cys Met Gln Gly Thr His Trp Pro
220                      225                      230                      235

tac act ttt ggc cag ggg acc aag ctg gag atc aaa gcggccgc 767
Tyr Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
                      240                      245

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<210> 2343

<211> 247

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2343

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Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly
 1                      5                      10                      15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Ala
                20                      25                      30

Trp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35                      40                      45

Gly Arg Ile Lys Ser Lys Thr Asp Gly Gly Thr Thr Asp Tyr Ala Ala
 50                      55                      60

Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
 65                      70                      75                      80

Leu Tyr Leu Gln Met Asn Ser Leu Lys Thr Glu Asp Thr Ala Val Tyr
                85                      90                      95

Tyr Cys Thr Thr Val Ala Leu Ser Ala Asp Arg Gly Met Trp Gly Gln

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100	105	110
Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly		
115	120	125
Gly Ser Gly Gly Gly Gly Ser Asp Val Val Met Thr Gln Ser Pro Leu		
130	135	140
Ser Leu Pro Val Thr Leu Gly Gln Pro Ala Ser Ile Ser Cys Arg Ser		
145	150	155
Ser Gln Ser Leu Val Tyr Ser Asp Gly Asn Thr Tyr Leu Asn Trp Phe		
165	170	175
Gln Gln Arg Pro Gly Gln Ser Pro Arg Arg Leu Ile Tyr Lys Val Ser		
180	185	190
Asn Arg Asp Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly		
195	200	205
Thr Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly		
210	215	220
Val Tyr Tyr Cys Met Gln Gly Thr His Trp Pro Tyr Thr Phe Gly Gln		
225	230	235
Gly Thr Lys Leu Glu Ile Lys		
245		

<210> 2344

<211> 761

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<220>

<221> CDS

<222> (19)..(753)

<400> 2344

gccagccgg ccatggcc cag atg cag ctg gtg gag tct ggg gga ggc ttg	51
Gln Met Gln Leu Val Glu Ser Gly Gly Gly Leu	
1 5 10	
gta aag cct ggg ggg tcc ctt aga ctc tcc tgt gca gcc tct gga ttc	99
Val Lys Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe	
15 20 25	
act ttc agt aac gcc tgg atg agc tgg gtc cgc cag gct cca ggg aag	147
Thr Phe Ser Asn Ala Trp Met Ser Trp Val Arg Gln Ala Pro Gly Lys	
30 35 40	
ggg ctg gag tgg gtt ggc cgt att aaa agc aaa act gat ggt ggg aca	195

Gly	Leu	Glu	Trp	Val	Gly	Arg	Ile	Lys	Ser	Lys	Thr	Asp	Gly	Gly	Thr		
45						50					55						
aca	gac	tac	gct	gca	ccc	gtg	aaa	ggc	aga	ttc	acc	atc	tca	aga	gat	243	
Thr	Asp	Tyr	Ala	Ala	Pro	Val	Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp		
60					65				70						75		
gat	tca	aaa	aac	acg	ctg	tat	ctg	caa	atg	aac	agc	ctg	aaa	acc	gag	291	
Asp	Ser	Lys	Asn	Thr	Leu	Tyr	Leu	Gln	Met	Asn	Ser	Leu	Lys	Thr	Glu		
				80					85						90		
gac	aca	gcc	gtg	tat	tac	tgt	acc	aca	tgg	ggc	tcc	gtc	gac	acg	gac	339	
Asp	Thr	Ala	Val	Tyr	Tyr	Cys	Thr	Thr	Trp	Gly	Ser	Val	Asp	Thr	Asp		
			95						100						105		
aac	tac	gcc	agg	ttt	tgg	ggc	caa	gga	act	ctg	gtc	acc	gtc	tcc	tca	387	
Asn	Tyr	Ala	Arg	Phe	Trp	Gly	Gln	Gly	Thr	Leu	Val	Thr	Val	Ser	Ser		
		110					115						120				
ggt	gga	ggc	ggt	tca	ggc	gga	ggt	ggc	tct	ggc	ggt	ggc	gga	tcc	gac	435	
Gly	Gly	Gly	Gly	Ser	Gly	Gly	Gly	Gly	Ser	Gly	Gly	Gly	Gly	Ser	Asp		
	125					130					135						
atc	cag	atg	acc	cag	tct	cca	tcc	tcc	ctg	tct	gca	tct	gta	gga	gac	483	
Ile	Gln	Met	Thr	Gln	Ser	Pro	Ser	Ser	Leu	Ser	Ala	Ser	Val	Gly	Asp		
140					145					150					155		
aga	gtc	acc	atc	act	tgc	cgg	gcg	agt	cag	ggc	att	agc	aat	tat	tta	531	
Arg	Val	Thr	Ile	Thr	Cys	Arg	Ala	Ser	Gln	Gly	Ile	Ser	Asn	Tyr	Leu		
				160					165						170		
gcc	tgg	tat	cag	cag	aaa	cca	ggg	aaa	gtt	cct	aag	ctc	ctg	atc	tat	579	
Ala	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Lys	Val	Pro	Lys	Leu	Leu	Ile	Tyr		
			175					180						185			
gct	gca	tcc	act	ttg	caa	tca	ggg	gtc	cca	tct	cgg	ttc	agt	ggc	agt	627	
Ala	Ala	Ser	Thr	Leu	Gln	Ser	Gly	Val	Pro	Ser	Arg	Phe	Ser	Gly	Ser		
		190					195					200					
gga	tct	ggg	aca	gat	ttc	act	ctc	acc	atc	agc	agc	ctg	cag	cct	gaa	675	
Gly	Ser	Gly	Thr	Asp	Phe	Thr	Leu	Thr	Ile	Ser	Ser	Leu	Gln	Pro	Glu		
	205					210					215						
gat	gtt	gca	act	tat	tac	tgt	caa	aag	tat	aac	agt	gcc	cct	ctc	act	723	
Asp	Val	Ala	Thr	Tyr	Tyr	Cys	Gln	Lys	Tyr	Asn	Ser	Ala	Pro	Leu	Thr		
220					225					230					235		
ttc	ggc	gga	ggg	acc	aag	gtg	gag	atc	aaa	gcggccgc						761	
Phe	Gly	Gly	Gly	Thr	Lys	Val	Glu	Ile	Lys								
				240					245								

<210> 2345

<211> 245

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2345

Gln Met Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Ala
 20 25 30

Trp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Gly Arg Ile Lys Ser Lys Thr Asp Gly Gly Thr Thr Asp Tyr Ala Ala
 50 55 60

Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
 65 70 75 80

Leu Tyr Leu Gln Met Asn Ser Leu Lys Thr Glu Asp Thr Ala Val Tyr
 85 90 95

Tyr Cys Thr Thr Trp Gly Ser Val Asp Thr Asp Asn Tyr Ala Arg Phe
 100 105 110

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser
 115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln
 130 135 140

Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr
 145 150 155 160

Cys Arg Ala Ser Gln Gly Ile Ser Asn Tyr Leu Ala Trp Tyr Gln Gln
 165 170 175

Lys Pro Gly Lys Val Pro Lys Leu Leu Ile Tyr Ala Ala Ser Thr Leu
 180 185 190

Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp
 195 200 205

Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Val Ala Thr Tyr
 210 215 220

Tyr Cys Gln Lys Tyr Asn Ser Ala Pro Leu Thr Phe Gly Gly Gly Thr
 225 230 235 240

Lys Val Glu Ile Lys
 245

<210> 2346

<211> 752

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<220>

<221> CDS

<222> (19)..(744)

<400> 2346

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gccagccgg ccatggcc cag atg cag ctg gtg gag tct ggg gga ggc ttg   51
                Gln Met Gln Leu Val Glu Ser Gly Gly Gly Leu
                  1                      5                      10

gta aag cct ggg ggg tcc ctt aga ctc tcc tgt gca gcc tct gga ttc   99
Val Lys Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe
                15                      20                      25

act ttc agt aac gcc tgg atg agc tgg gtc cgc cag gct cca ggg aag   147
Thr Phe Ser Asn Ala Trp Met Ser Trp Val Arg Gln Ala Pro Gly Lys
                30                      35                      40

ggg ctg gag tgg gtt ggc cgt att aaa agc aaa act gat ggt ggg aca   195
Gly Leu Glu Trp Val Gly Arg Ile Lys Ser Lys Thr Asp Gly Gly Thr
                45                      50                      55

aca gac tac gct gca ccc gtg aaa ggc aga ttc acc atc tca aga gat   243
Thr Asp Tyr Ala Ala Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp
                60                      65                      70                      75

gat tca aaa aac acg ctg tat ctg caa atg aac agc ctg aaa acc gag   291
Asp Ser Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser Leu Lys Thr Glu
                80                      85                      90

gac aca gcc gtg tat tac tgt acc aca ccg ggc tgg tat ggg gcc gag   339
Asp Thr Ala Val Tyr Tyr Cys Thr Thr Pro Gly Trp Tyr Gly Ala Glu
                95                      100                      105

gat aag tgg ggt caa gga act ctg gtc acc gtc tcc tca ggt gga ggc   387
Asp Lys Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly
                110                      115                      120

ggt tca ggc gga ggt ggc tct ggc ggt ggc gga tcc gac atc cag atg   435
Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met
                125                      130                      135

acc cag tct cca tcc tcc ctg tct gca tct gta gga gac aga gtc acc   483
Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr
                140                      145                      150                      155

atc act tgc cgg gcg agt cag ggc att agc aat tat tta gcc tgg tat   531
Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Asn Tyr Leu Ala Trp Tyr
                160                      165                      170

cag cag aaa cca ggg aaa gtt cct aag ctc ctg atc tat gct gca tcc   579
Gln Gln Lys Pro Gly Lys Val Pro Lys Leu Leu Ile Tyr Ala Ala Ser

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175	180	185	
act ttg caa tca ggg gtc cca tct cgg ttc agt ggc agt gga tct ggg			627
Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly			
190	195	200	
aca gat ttc act ctc acc atc agc agc ctg cag cct gaa gat gtt gca			675
Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Val Ala			
205	210	215	
act tat tac tgt caa aag tat aac agt gcc cct ttc act ttc ggc cct			723
Thr Tyr Tyr Cys Gln Lys Tyr Asn Ser Ala Pro Phe Thr Phe Gly Pro			
220	225	230	235
ggg acc aaa gtg gat atc aaa gcggccgc			752
Gly Thr Lys Val Asp Ile Lys			
240			

<210> 2347

<211> 242

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2347

Gln Met Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly			
1	5	10	15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Ala			
20	25	30	
Trp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val			
35	40	45	
Gly Arg Ile Lys Ser Lys Thr Asp Gly Gly Thr Thr Asp Tyr Ala Ala			
50	55	60	
Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr			
65	70	75	80
Leu Tyr Leu Gln Met Asn Ser Leu Lys Thr Glu Asp Thr Ala Val Tyr			
85	90	95	
Tyr Cys Thr Thr Pro Gly Trp Tyr Gly Ala Glu Asp Lys Trp Gly Gln			
100	105	110	
Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly			
115	120	125	
Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro Ser			
130	135	140	
Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg Ala			

145		150		155		160									
Ser	Gln	Gly	Ile	Ser	Asn	Tyr	Leu	Ala	Trp	Tyr	Gln	Gln	Lys	Pro	Gly
				165					170					175	
Lys	Val	Pro	Lys	Leu	Leu	Ile	Tyr	Ala	Ala	Ser	Thr	Leu	Gln	Ser	Gly
			180					185					190		
Val	Pro	Ser	Arg	Phe	Ser	Gly	Ser	Gly	Ser	Gly	Thr	Asp	Phe	Thr	Leu
		195					200					205			
Thr	Ile	Ser	Ser	Leu	Gln	Pro	Glu	Asp	Val	Ala	Thr	Tyr	Tyr	Cys	Gln
	210					215					220				
Lys	Tyr	Asn	Ser	Ala	Pro	Phe	Thr	Phe	Gly	Pro	Gly	Thr	Lys	Val	Asp
225					230					235					240
Ile	Lys														

<210> 2348

<211> 743

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<220>

<221> CDS

<222> (19)..(735)

<400> 2348

gcccgagccgg	ccatggcc	cag	gtg	cag	ctg	gtg	gag	tct	ggg	gga	ggc	ttg		51		
		Gln	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly	Gly	Leu				
		1				5					10					
gta	cag	cct	ggg	gga	tcc	ctg	aga	ctc	tcc	tgt	gca	gcc	tct	gga	ttc	99
Val	Gln	Pro	Gly	Gly	Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	
		15				20					25					
acc	ttc	agt	aac	agt	gac	atg	aac	tgg	gtc	cat	cag	gct	cca	gga	aag	147
Thr	Phe	Ser	Asn	Ser	Asp	Met	Asn	Trp	Val	His	Gln	Ala	Pro	Gly	Lys	
		30				35					40					
ggg	ctg	gag	tgg	gta	tcg	ggt	gtt	agt	tgg	aat	ggc	agt	agg	acg	cac	195
Gly	Leu	Glu	Trp	Val	Ser	Gly	Val	Ser	Trp	Asn	Gly	Ser	Arg	Thr	His	
	45					50				55						
tat	gca	gac	tct	gtg	aag	ggc	cga	ttc	atc	atc	tcc	aga	gac	aat	tcc	243
Tyr	Ala	Asp	Ser	Val	Lys	Gly	Arg	Phe	Ile	Ile	Ser	Arg	Asp	Asn	Ser	
	60				65				70					75		
agg	aac	acc	ctg	tat	ctg	caa	acg	aat	agc	ctg	agg	gcc	gag	gac	acg	291
Arg	Asn	Thr	Leu	Tyr	Leu	Gln	Thr	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr	

80										85					90					
gct	gtg	tat	tac	tgt	gtg	aga	acc	gat	ggc	gag	tgg	tac	ggg	gcc	tgg	339				
Ala	Val	Tyr	Tyr	Cys	Val	Arg	Thr	Asp	Gly	Glu	Trp	Tyr	Gly	Ala	Trp					
			95					100					105							
ggt	caa	gga	act	ctg	gtc	acc	gtc	tcc	tca	ggt	gga	ggc	ggt	tca	ggc	387				
Gly	Gln	Gly	Thr	Leu	Val	Thr	Val	Ser	Ser	Gly	Gly	Gly	Gly	Ser	Gly					
		110					115					120								
gga	ggt	ggc	tct	ggc	ggt	ggc	gga	tcc	gcc	atc	cag	atg	acc	cag	tct	435				
Gly	Gly	Gly	Ser	Gly	Gly	Gly	Gly	Ser	Ala	Ile	Gln	Met	Thr	Gln	Ser					
		125				130					135									
cca	tcc	tcc	ctg	tct	gca	tct	gta	gga	gac	aga	gtc	acc	atc	act	tgc	483				
Pro	Ser	Ser	Leu	Ser	Ala	Ser	Val	Gly	Asp	Arg	Val	Thr	Ile	Thr	Cys					
140					145					150					155					
cgg	gca	agt	cag	ggc	att	aga	aat	gat	tta	ggc	tgg	tat	cag	cag	aaa	531				
Arg	Ala	Ser	Gln	Gly	Ile	Arg	Asn	Asp	Leu	Gly	Trp	Tyr	Gln	Gln	Lys					
			160					165						170						
cca	ggg	aaa	gcc	cct	aag	ctc	cgg	atc	tat	gct	gca	tcc	agt	tta	caa	579				
Pro	Gly	Lys	Ala	Pro	Lys	Leu	Arg	Ile	Tyr	Ala	Ala	Ser	Ser	Leu	Gln					
			175					180					185							
agt	ggg	gtc	cca	tca	agg	ttc	agc	ggc	agt	gga	tct	ggc	aca	gat	ttc	627				
Ser	Gly	Val	Pro	Ser	Arg	Phe	Ser	Gly	Ser	Gly	Ser	Gly	Thr	Asp	Phe					
		190					195					200								
act	ctc	acc	atc	agc	agc	ctg	cag	cct	gaa	gat	ttt	gca	act	tat	tac	675				
Thr	Leu	Thr	Ile	Ser	Ser	Leu	Gln	Pro	Glu	Asp	Phe	Ala	Thr	Tyr	Tyr					
		205				210					215									
tgt	cta	caa	gat	tac	aat	tac	cct	ctc	act	ttc	ggc	gga	ggg	acc	aag	723				
Cys	Leu	Gln	Asp	Tyr	Asn	Tyr	Pro	Leu	Thr	Phe	Gly	Gly	Gly	Thr	Lys					
220					225					230					235					
gtg	gag	atc	aaa	gcggccgc												743				
Val	Glu	Ile	Lys																	

<210> 2349

<211> 239

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2349

Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Ser
 20 25 30

Asp Met Asn Trp Val His Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45
 Ser Gly Val Ser Trp Asn Gly Ser Arg Thr His Tyr Ala Asp Ser Val
 50 55 60
 Lys Gly Arg Phe Ile Ile Ser Arg Asp Asn Ser Arg Asn Thr Leu Tyr
 65 70 75 80
 Leu Gln Thr Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Val Arg Thr Asp Gly Glu Trp Tyr Gly Ala Trp Gly Gln Gly Thr Leu
 100 105 110
 Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
 115 120 125
 Gly Gly Gly Ser Ala Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser
 130 135 140
 Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly
 145 150 155 160
 Ile Arg Asn Asp Leu Gly Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro
 165 170 175
 Lys Leu Arg Ile Tyr Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser
 180 185 190
 Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser
 195 200 205
 Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Leu Gln Asp Tyr
 210 215 220
 Asn Tyr Pro Leu Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
 225 230 235

<210> 2350

<211> 752

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<220>

<221> CDS

<222> (19)..(744)

<400> 2350

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 Gln Met Gln Leu Val Gln Ser Gly Gly Gly Leu

1			5			10												
gta	cag	cct	ggg	ggg	tcc	ctg	aga	ctc	tcc	tgt	gca	ggc	tct	gga	ttc			99
Val	Gln	Pro	Gly	Gly	Ser	Leu	Arg	Leu	Ser	Cys	Ala	Gly	Ser	Gly	Phe			
			15					20					25					
acc	ttc	agt	agc	tat	gct	atg	cac	tgg	gtt	cgc	cag	gct	cca	gga	aaa			147
Thr	Phe	Ser	Ser	Tyr	Ala	Met	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys			
		30					35					40						
ggt	ctg	gag	tgg	gta	tca	gct	att	ggt	act	ggt	ggt	ggc	aca	tac	tat			195
Gly	Leu	Glu	Trp	Val	Ser	Ala	Ile	Gly	Thr	Gly	Gly	Gly	Thr	Tyr	Tyr			
	45					50					55							
gca	gac	tcc	gtg	aag	ggc	cga	ttc	acc	atc	tcc	aga	gac	aat	gcc	aag			243
Ala	Asp	Ser	Val	Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ala	Lys			
	60				65					70					75			
aac	tcc	ttg	tat	ctt	caa	atg	aac	agc	ctg	aga	gcc	gag	gac	atg	gct			291
Asn	Ser	Leu	Tyr	Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Met	Ala			
				80					85					90				
gtg	tat	tac	tgt	gca	aga	tgg	ggg	cac	gtc	ggc	ttg	tgg	gtt	gcg	gac			339
Val	Tyr	Tyr	Cys	Ala	Arg	Trp	Gly	His	Val	Gly	Leu	Trp	Val	Ala	Asp			
			95				100						105					
gtc	tat	tgg	ggt	caa	gga	act	ctg	gtc	acc	gtc	tcc	tca	ggt	gga	ggc			387
Val	Tyr	Trp	Gly	Gln	Gly	Thr	Leu	Val	Thr	Val	Ser	Ser	Gly	Gly	Gly			
		110					115					120						
ggt	tca	ggc	gga	ggt	ggc	tct	ggc	ggt	ggc	gga	tcc	gac	atc	cag	atg			435
Gly	Ser	Gly	Gly	Gly	Gly	Ser	Gly	Gly	Gly	Gly	Ser	Asp	Ile	Gln	Met			
	125					130					135							
acc	cag	tct	cca	tcc	tcc	ctg	tct	gca	tct	gta	gga	gac	aga	gtc	acc			483
Thr	Gln	Ser	Pro	Ser	Ser	Leu	Ser	Ala	Ser	Val	Gly	Asp	Arg	Val	Thr			
	140				145					150					155			
atc	act	tgc	cgg	gcg	agt	cag	ggc	att	agc	aat	tat	tta	gcc	tgg	tat			531
Ile	Thr	Cys	Arg	Ala	Ser	Gln	Gly	Ile	Ser	Asn	Tyr	Leu	Ala	Trp	Tyr			
				160				165						170				
cag	cag	aaa	cca	ggg	aaa	gtt	cct	aag	ctc	ctg	atc	tat	gct	gca	tcc			579
Gln	Gln	Lys	Pro	Gly	Lys	Val	Pro	Lys	Leu	Leu	Ile	Tyr	Ala	Ala	Ser			
			175					180					185					
act	ttg	caa	tca	ggg	gtc	cca	tct	cgg	ttc	agt	ggc	agt	gga	tct	ggg			627
Thr	Leu	Gln	Ser	Gly	Val	Pro	Ser	Arg	Phe	Ser	Gly	Ser	Gly	Ser	Gly			
		190					195					200						
aca	gat	ttc	act	ctc	acc	atc	agc	agc	ctg	cag	cct	gaa	gat	gtt	gca			675
Thr	Asp	Phe	Thr	Leu	Thr	Ile	Ser	Ser	Leu	Gln	Pro	Glu	Asp	Val	Ala			
	205					210					215							
act	tat	tac	tgt	caa	aag	tat	aac	agt	gcc	cct	tac	act	ttt	ggc	cag			723
Thr	Tyr	Tyr	Cys	Gln	Lys	Tyr	Asn	Ser	Ala	Pro	Tyr	Thr	Phe	Gly	Gln			
	220				225					230					235			

ggg acc aag ctg gag atc aaa gcggccgc
 Gly Thr Lys Leu Glu Ile Lys
 240

752

<210> 2351

<211> 242

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2351

Gln Met Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Gly Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Ala Ile Gly Thr Gly Gly Gly Thr Tyr Tyr Ala Asp Ser Val Lys
 50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr Leu
 65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Met Ala Val Tyr Tyr Cys Ala
 85 90 95

Arg Trp Gly His Val Gly Leu Trp Val Ala Asp Val Tyr Trp Gly Gln
 100 105 110

Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro Ser
 130 135 140

Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg Ala
 145 150 155 160

Ser Gln Gly Ile Ser Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly
 165 170 175

Lys Val Pro Lys Leu Leu Ile Tyr Ala Ala Ser Thr Leu Gln Ser Gly
 180 185 190

Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu
 195 200 205

Thr Ile Ser Ser Leu Gln Pro Glu Asp Val Ala Thr Tyr Tyr Cys Gln
 210 215 220

Lys Tyr Asn Ser Ala Pro Tyr Thr Phe Gly Gln Gly Thr Lys Leu Glu
 225 230 235 240

Ile Lys

<210> 2352

<211> 743

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<220>

<221> CDS

<222> (19)..(735)

<400> 2352

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                      Gln Met Gln Leu Val Gln Ser Gly Gly Gly Leu
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gta cag cct ggg ggg tcc ctg aga ctc tcc tgt gca ggc tct gga ttc 99
Val Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Gly Ser Gly Phe
      15           20           25

acc ttc agt agc tat gct atg cac tgg gtt cgc cag gct cca gga aaa 147
Thr Phe Ser Ser Tyr Ala Met His Trp Val Arg Gln Ala Pro Gly Lys
      30           35           40

ggg ctg gag tgg gta tca gct att ggt act ggt ggt ggc aca tac tat 195
Gly Leu Glu Trp Val Ser Ala Ile Gly Thr Gly Gly Gly Thr Tyr Tyr
      45           50           55

gca gac tcc gtg aag ggc cga ttc acc atc tcc aga gac aat gcc aag 243
Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys
      60           65           70           75

aac tcc ttg tat ctt caa atg aac agc ctg aga gcc gag gac atg gct 291
Asn Ser Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Met Ala
      80           85           90

gtg tat tac tgt gca aga gag ggc gag ctc ggg gtg acc tcc ttc tgg 339
Val Tyr Tyr Cys Ala Arg Glu Gly Glu Leu Gly Val Thr Ser Phe Trp
      95           100          105

ggg caa gga act ctg gtc acc gtc tcc tca ggt gga ggc ggt tca ggc 387
Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly
      110          115          120

gga ggt ggc tct ggc ggt ggc gga tcc gac atc cag atg acc cag tct 435
Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser
      125          130          135

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cca tcc tcc ctg tct gca tct gta gga gac aga gtc acc atc act tgc 483
Pro Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys
140          145          150          155

cgg gcg agt cag ggc att agc aat tat tta gcc tgg tat cag cag aaa 531
Arg Ala Ser Gln Gly Ile Ser Asn Tyr Leu Ala Trp Tyr Gln Gln Lys
          160          165          170

cca ggg aaa gtt cct aag ctc ctg atc tat gct gca tcc act ttg caa 579
Pro Gly Lys Val Pro Lys Leu Leu Ile Tyr Ala Ala Ser Thr Leu Gln
          175          180          185

tca ggg gtc cca tct cgg ttc agt ggc agt gga tct ggg aca gat ttc 627
Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe
          190          195          200

act ctc acc atc agc agc ctg cag cct gaa gat gtt gca act tat tac 675
Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Val Ala Thr Tyr Tyr
          205          210          215

tgt caa aag tat aac agt gcc cct tgg acg ttc ggc caa ggg acc aag 723
Cys Gln Lys Tyr Asn Ser Ala Pro Trp Thr Phe Gly Gln Gly Thr Lys
          220          225          230          235

gtg gaa atc aaa gcggccgc 743
Val Glu Ile Lys

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<210> 2353

<211> 239

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2353

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Gln Met Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1          5          10          15

Ser Leu Arg Leu Ser Cys Ala Gly Ser Gly Phe Thr Phe Ser Ser Tyr
          20          25          30

Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
          35          40          45

Ser Ala Ile Gly Thr Gly Gly Gly Thr Tyr Tyr Ala Asp Ser Val Lys
          50          55          60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr Leu
          65          70          75          80

Gln Met Asn Ser Leu Arg Ala Glu Asp Met Ala Val Tyr Tyr Cys Ala
          85          90          95

Arg Glu Gly Glu Leu Gly Val Thr Ser Phe Trp Gly Gln Gly Thr Leu

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100					105					110					
Val	Thr	Val	Ser	Ser	Gly	Gly	Gly	Gly	Ser	Gly	Gly	Gly	Gly	Ser	Gly
		115					120					125			
Gly	Gly	Gly	Ser	Asp	Ile	Gln	Met	Thr	Gln	Ser	Pro	Ser	Ser	Leu	Ser
	130					135					140				
Ala	Ser	Val	Gly	Asp	Arg	Val	Thr	Ile	Thr	Cys	Arg	Ala	Ser	Gln	Gly
145					150					155					160
Ile	Ser	Asn	Tyr	Leu	Ala	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Lys	Val	Pro
				165					170					175	
Lys	Leu	Leu	Ile	Tyr	Ala	Ala	Ser	Thr	Leu	Gln	Ser	Gly	Val	Pro	Ser
			180					185					190		
Arg	Phe	Ser	Gly	Ser	Gly	Ser	Gly	Thr	Asp	Phe	Thr	Leu	Thr	Ile	Ser
		195					200					205			
Ser	Leu	Gln	Pro	Glu	Asp	Val	Ala	Thr	Tyr	Tyr	Cys	Gln	Lys	Tyr	Asn
	210					215					220				
Ser	Ala	Pro	Trp	Thr	Phe	Gly	Gln	Gly	Thr	Lys	Val	Glu	Ile	Lys	
225					230					235					

<210> 2354

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2354

Ile	Gly	Gly	Gln	Gly	Gln	His	Gln	Asp	Gly	Asn	Phe	Tyr	Asp	Trp	Phe
1				5					10					15	

Val	Glu	Ala	Leu	Ala
			20	

<210> 2355

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2355

Val	Phe	Trp	Asn	Cys	Arg	Ser	Gln	Gln	Leu	Asp	Phe	Tyr	Glu	Trp	Phe
1				5					10					15	

Glu Gln Ala Ala
20

<210> 2356
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2356
Arg Gly Gly Gly Thr Phe Tyr Glu Trp Phe Glu Ser Ala Leu Arg Lys
1 5 10 15

His Gly Ala Gly
20

<210> 2357
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2357
Arg Val Ala Gly Ala Ile Ser Ala Pro Gly Leu Val Ser Asn Lys Gln
1 5 10 15

Asp Gly Leu Phe Tyr Ser Trp Phe Arg Glu
20 25

<210> 2358
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2358
Val Leu Gln Ala Arg His Gly Cys Asp Ser Val Ser Asp Cys Phe Tyr
1 5 10 15

Glu Trp Phe Ala
20

<210> 2359

<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2359
Asp Pro Glu Arg Met Gln Ser Asp Val Gly Phe Tyr Glu Trp Phe Arg
1 5 10 15

Ala Ala Val Gly
20

<210> 2360
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2360
Trp Ser Ala Leu Leu Ser Val Met Asp Thr Gly Phe Tyr Ala Trp Phe
1 5 10 15

Asp Asp Ala Val
20

<210> 2361
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2361
Asp Ile Gly Ser Asp Gly His Gly Arg Arg Trp Asp Ser Phe Tyr Arg
1 5 10 15

Trp Phe Glu Met
20

<210> 2362
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic

peptide

<400> 2362

Ile	Gly	Gly	Ser	Phe	Val	Glu	Phe	Tyr	Gly	Trp	Phe	Asn	Asp	Gln	Val
1				5					10					15	

<210> 2363

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2363

Gly	His	Ser	Trp	Ala	Leu	Val	Arg	His	Val	Asp	Arg	Leu	Phe	Tyr	Glu
1				5					10					15	

Trp	Phe	Asp	Leu
			20

<210> 2364

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2364

Leu	Pro	Ala	Gly	Gly	Ala	Gln	Gly	Phe	Ala	Val	Arg	Gly	Phe	Tyr	Glu
1				5					10					15	

Trp	Phe	Glu	Ser
			20

<210> 2365

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2365

Arg	Asp	Lys	Pro	Thr	Asp	Gln	Glu	Glu	Gln	Asn	Trp	Ser	Phe	Tyr	Glu
1				5					10					15	

Trp	Phe	Arg	His
			20

<210> 2366
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2366
 Ser Arg Asp Gln Thr Asn Phe Thr Phe Asn Ser Ala Gly Phe Tyr Gly
 1 5 10 15
 Trp Phe Glu Arg
 20

<210> 2367
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2367
 Gly Ala Phe Tyr Arg Trp Phe His Glu Ala Leu Val Gly Ser Glu Arg
 1 5 10 15
 Val Pro Asp Val
 20

<210> 2368
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2368
 Arg Ile Gly Gly Gly Trp Ala Arg Ser Glu Gly Phe Tyr Glu Trp Phe
 1 5 10 15
 Val Arg Glu Leu
 20

<210> 2369
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2369

Arg	Met	Phe	Tyr	Glu	Trp	Phe	Trp	Ser	Gln	Met	Gly	Ala	Gly	Pro	Thr
1				5				10						15	

Glu	Gly	Ser	Ala
			20

<210> 2370

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2370

His	Glu	Ala	Phe	Tyr	Asp	Trp	Phe	Ser	Ala	Leu	Val	Asp	Gly	Gly	Tyr
1				5				10						15	

Glu	Leu	Met	Gly
			20

<210> 2371

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2371

Phe	Tyr	Gly	Trp	Phe	Ser	Arg	Gln	Leu	Ser	Leu	Thr	Pro	Arg	Asp	Asp
1				5				10						15	

Trp	Gly	Leu	Pro
			20

<210> 2372

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2372

Gly	Val	Gly	Thr	Leu	Thr	Met	Ser	Ser	Asp	Ala	Phe	Tyr	Thr	Trp	Phe
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

1	5	10	15
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Val

<210> 2373
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 2373
 Leu Gly Thr Ser Ala Gly Gln Gly Val Gly His Arg Ala Phe Tyr Gln
 1 5 10 15

Trp Phe Gln Ser
 20

<210> 2374
 <211> 23
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 2374
 Glu Thr Leu Glu Ser His Tyr Val Val Pro Gln Ala Ala Leu Asp Arg
 1 5 10 15

Leu Phe Tyr Ser Trp Phe Ser
 20

<210> 2375
 <211> 40
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 2375
 Ile Arg Asp Met His Tyr Val Trp Val Gln Asp Arg Asp Arg Tyr Ile
 1 5 10 15

Asn Gly Val Arg Gln Trp Tyr Ile Ser Asp Arg Tyr Asn Pro Gly Ser
 20 25 30

Ala Phe Tyr Arg Trp Phe Ile Asp

35

40

<210> 2376

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2376

Arg Met Gly Leu Gln Ala Leu Ala His Tyr Arg Lys Ser Ala Gly Pro
1 5 10 15Ile Phe Leu Ser Ser Gly Ser Val Ile Lys Gly Ser Glu Gly Asp Pro
20 25 30Phe Tyr Ala Trp Phe Arg Leu Gln
35 40

<210> 2377

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2377

Glu Ile Glu Ala Glu Trp Gly Arg Val Arg Cys Leu Val Tyr Gly Arg
1 5 10 15Cys Val Gly Gly
20

<210> 2378

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2378

Trp Leu Asp Gln Glu Trp Ala Trp Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15Gly Cys Pro Ser
20

<210> 2379

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2379

Asp Tyr Lys Asp Phe Tyr Asp Ala Ile Asp Gln Leu Val Arg Gly Ser
1 5 10 15

Ala Arg Ala Gly Gly Thr Arg Asp
20

<210> 2380

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2380

Asp Tyr Lys Asp Asp Arg Ala Phe Tyr Asn Gly Leu Arg Asp Leu Val
1 5 10 15

Gly Ala Val Tyr Gly Ala Trp Asp
20

<210> 2381

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2381

Asp Tyr Lys Asp Arg Leu Phe Tyr Cys Gly Ile Gln Ala Leu Gly Ala
1 5 10 15

Asn Leu Gly Tyr Ser Gly Cys Val
20

<210> 2382

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2382

Asp Tyr Lys Asp Phe Tyr Ser Ala Leu Trp Gly Leu Cys Gly Val Thr
1 5 10 15

Gly Cys Gly

<210> 2383

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2383

Arg Gly Gln Ser Asp Ala Phe Tyr Ser Gly Leu Trp Ala Leu Ile Gly
1 5 10 15

Leu Ser Asp Gly
20

<210> 2384

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2384

Pro Phe Gly Phe Gly Gly Arg Trp Trp Gly Ile Pro Arg Met Trp Trp
1 5 10 15

Tyr Arg Asn Ser
20

<210> 2385

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2385

Trp Trp Trp Gly Gly Arg Asn Arg Trp Trp Leu Glu Arg Trp Gly Leu
1 5 10 15

Gly Gly Glu Arg
20

<210> 2386
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2386
Leu Gly Pro Leu Leu Arg Trp Gly Ser Glu Val Cys Gly Val Trp Pro
1 5 10 15

Asp Leu Cys Glu
20

<210> 2387
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2387
Ser Met Phe Val Ala Gly Ser Asp Arg Trp Pro Gly Tyr Gly Val Leu
1 5 10 15

Ala Asp Trp Leu
20

<210> 2388
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2388
Val Arg Gly Phe Gln Gly Gly Thr Val Trp Pro Gly Tyr Glu Trp Leu
1 5 10 15

Arg Asn Ala Ala
20

<210> 2389

<211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2389
 Gly Arg Val Ala Leu Trp Gly Pro Val Trp Pro Arg Trp Trp Phe Met
 1 5 10 15
 Ser Arg Pro Val
 20

<210> 2390
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2390
 Trp Pro Gly Tyr Leu Phe Phe Glu Glu Ala Leu Gln Asp Trp Arg Gly
 1 5 10 15
 Ser Thr Glu Asp
 20

<210> 2391
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2391
 His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
 1 5 10 15
 Tyr Cys Ser Gly
 20

<210> 2392
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic

peptide

<400> 2392

Ala Cys Ser Ser Phe Phe Val Lys Gly Pro Glu Gly Phe Leu Gln Cys
 1 5 10 15

Leu Gly Ser Ile
 20

<210> 2393

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2393

Pro Glu Arg Gly Arg Gly Leu Arg Thr Ala Met Gln Leu Met Arg Arg
 1 5 10 15

Pro Arg Asp Trp His Phe Pro His Ser Leu Phe Trp Gly Ala Pro Pro
 20 25 30

Pro Leu Ser Gly
 35

<210> 2394

<211> 761

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<220>

<221> CDS

<222> (19) .. (753)

<400> 2394

gcccagccgg ccatggcc gag gtg cag ctg gtg gag tct ggg gga ggc ttg 51
 Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu
 1 5 10

gta aag cct ggg ggg tcc ctt aga ctc tcc tgt gca gcc tct gga ttc 99
 Val Lys Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe
 15 20 25

act ttc agt aac gcc tgg atg agc tgg gtc cgc cag gct cca ggg aag 147
 Thr Phe Ser Asn Ala Trp Met Ser Trp Val Arg Gln Ala Pro Gly Lys
 30 35 40

ggg ctg gag tgg gtt ggc cgt att aaa agc aaa act gat ggt ggg aca 195
 Gly Leu Glu Trp Val Gly Arg Ile Lys Ser Lys Thr Asp Gly Gly Thr

45	50	55	
aca gac tac gct gca ccc gtg aaa ggc aga ttc acc atc tca aga gat			243
Thr Asp Tyr Ala Ala Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp			
60	65	70	75
gat tca aaa aac acg ctg tat ctg caa atg aac agc ctg aaa acc gag			291
Asp Ser Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser Leu Lys Thr Glu			
	80	85	90
gac aca gcc gtg tat tac tgt acc aca tac ggc gac gtt tac gac cgc			339
Asp Thr Ala Val Tyr Tyr Cys Thr Thr Tyr Gly Asp Val Tyr Asp Arg			
	95	100	105
gat tac gat ggg cgc tgg ggt caa gga act ctg gtc acc gtc tcc tca			387
Asp Tyr Asp Gly Arg Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser			
	110	115	120
ggt gga ggc ggt tca ggc gga ggt ggc tct ggc ggt ggc gga tcc gac			435
Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Asp			
	125	130	135
atc cag atg acc cag tct cca tcc tcc ctg tct gca tct gta gga gac			483
Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp			
	140	145	150
aga gtc acc atc act tgc cgg gcg agt cag ggc att agc aat tat tta			531
Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Asn Tyr Leu			
	160	165	170
gcc tgg tat cag cag aaa cca ggg aaa gtt cct aag ctc ctg atc tat			579
Ala Trp Tyr Gln Gln Lys Pro Gly Lys Val Pro Lys Leu Leu Ile Tyr			
	175	180	185
gct gca tcc act ttg caa tca ggg gtc cca tct cgg ttc agt ggc agt			627
Ala Ala Ser Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser			
	190	195	200
gga tct ggg aca gat ttc act ctc acc atc agc agc ctg cag cct gaa			675
Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu			
	205	210	215
gat gtt gca act tat tac tgt caa aag tat aac agt gcc cct ttc act			723
Asp Val Ala Thr Tyr Tyr Cys Gln Lys Tyr Asn Ser Ala Pro Phe Thr			
	220	225	230
ttc ggc cct ggg acc aaa gtg gat atc aaa acggccgc			761
Phe Gly Pro Gly Thr Lys Val Asp Ile Lys			
	240	245	

<210> 2395

<211> 245

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2395

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Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly
 1           5           10           15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Ala
      20           25           30

Trp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
      35           40           45

Gly Arg Ile Lys Ser Lys Thr Asp Gly Gly Thr Thr Asp Tyr Ala Ala
 50           55           60

Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
 65           70           75           80

Leu Tyr Leu Gln Met Asn Ser Leu Lys Thr Glu Asp Thr Ala Val Tyr
      85           90           95

Tyr Cys Thr Thr Tyr Gly Asp Val Tyr Asp Arg Asp Tyr Asp Gly Arg
      100          105          110

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser
      115          120          125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln
      130          135          140

Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr
      145          150          155          160

Cys Arg Ala Ser Gln Gly Ile Ser Asn Tyr Leu Ala Trp Tyr Gln Gln
      165          170          175

Lys Pro Gly Lys Val Pro Lys Leu Leu Ile Tyr Ala Ala Ser Thr Leu
      180          185          190

Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp
      195          200          205

Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Val Ala Thr Tyr
      210          215          220

Tyr Cys Gln Lys Tyr Asn Ser Ala Pro Phe Thr Phe Gly Pro Gly Thr
      225          230          235          240

Lys Val Asp Ile Lys
      245

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<210> 2396

<211> 758

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<220>

<221> CDS

<222> (19..324, 328..744)

<400> 2396

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	Glu	Val	Gln	Leu	Leu	Glu	Ser	Gly	Gly	Gly	Leu	
	1				5					10		
gta aag cct ggg ggg tcc ctt aga ctc tcc tgt gca gcc tct gga ttc												99
Val Lys Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe												
	15				20					25		
act ttc agt aac gcc tgg atg agc tgg gtc cgc cag gct cca ggg aag												147
Thr Phe Ser Asn Ala Trp Met Ser Trp Val Arg Gln Ala Pro Gly Lys												
	30				35				40			
ggg ctg gag tgg gtt ggc cgt att aaa agc aaa act gat ggt ggg aca												195
Gly Leu Glu Trp Val Gly Arg Ile Lys Ser Lys Thr Asp Gly Gly Thr												
	45				50				55			
aca gac tac gct gca ccc gtg aaa ggc aga ttc acc atc tca aga gat												243
Thr Asp Tyr Ala Ala Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp												
	60				65			70			75	
gat tca aaa aac acg ctg tat ctg caa atg aac agc ctg aaa acc gag												291
Asp Ser Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser Leu Lys Thr Glu												
		80				85				90		
gac aca gcc gtg tat tac tgt acc aca tac gat tag tgg ggg gtc ttg												339
Asp Thr Ala Val Tyr Tyr Cys Thr Thr Tyr Asp Trp Gly Val Leu												
	95					100				105		
gtg gtc tgg ggt caa gga act ctg gtc acc gtc tcc tca ggt gga ggc												387
Val Val Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly												
	110					115				120		
ggt tca ggc gga ggt ggc tct ggc ggt ggc gga tcc gac atc cag ttg												435
Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Leu												
	125					130				135		
acc cag tct cca tcc ttc ctg tct gca tct gta gga gac aga gtc acc												483
Thr Gln Ser Pro Ser Phe Leu Ser Ala Ser Val Gly Asp Arg Val Thr												
	140				145			150				
atc act tgc cgg gcc agt cag ggc att agc agt tat tta gcc tgg tat												531
Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser Tyr Leu Ala Trp Tyr												
	155				160			165			170	
cag caa aaa cca ggg aaa gcc cct aag ctc ctg atc tat gct gca tcc												579
Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr Ala Ala Ser												
		175					180			185		

act ttg caa agt ggg gtc cca tca agg ttc agc ggc agt gga tct ggg 627
 Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly
 190 195 200

aca gat ttc act ctc acc atc agc agc ctg cag cct gaa gat ttt gca 675
 Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala
 205 210 215

act tat tac tgt caa cag ctt aat agt tac cct ttc act ttc ggc cct 723
 Thr Tyr Tyr Cys Gln Gln Leu Asn Ser Tyr Pro Phe Thr Phe Gly Pro
 220 225 230

ggg acc aaa gtg gat atc aaa gcggccgcag gtgc 758
 Gly Thr Lys Val Asp Ile Lys
 235 240

<210> 2397

<211> 241

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2397

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Ala
 20 25 30

Trp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Gly Arg Ile Lys Ser Lys Thr Asp Gly Gly Thr Thr Asp Tyr Ala Ala
 50 55 60

Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
 65 70 75 80

Leu Tyr Leu Gln Met Asn Ser Leu Lys Thr Glu Asp Thr Ala Val Tyr
 85 90 95

Tyr Cys Thr Thr Tyr Asp Trp Gly Val Leu Val Val Trp Gly Gln Gly
 100 105 110

Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
 115 120 125

Ser Gly Gly Gly Gly Ser Asp Ile Gln Leu Thr Gln Ser Pro Ser Phe
 130 135 140

Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
 145 150 155 160

Gln Gly Ile Ser Ser Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys
 165 170 175
 Ala Pro Lys Leu Leu Ile Tyr Ala Ala Ser Thr Leu Gln Ser Gly Val
 180 185 190
 Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
 195 200 205
 Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln
 210 215 220
 Leu Asn Ser Tyr Pro Phe Thr Phe Gly Pro Gly Thr Lys Val Asp Ile
 225 230 235 240

Lys

<210> 2398

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2398

Pro Phe Phe Val Phe Tyr Arg Gly Gln Asp Thr
 1 5 10

<210> 2399

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2399

Phe Val Asn Gln His Leu Cys Gly Ser His Leu Val Glu Ala Leu Tyr
 1 5 10 15

Leu Val Cys Gly Glu Arg Gly Phe Phe Tyr Thr Pro Lys Thr
 20 25 30

<210> 2400

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2400

Cys Val Val Tyr Asn Tyr Ala Gly Arg Gly Thr
1 5 10

<210> 2401

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2401

Val Gln Ala Trp Asp Gly Leu Gly Arg Glu Ser
1 5 10

<210> 2402

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2402

Gly Gly Leu Gly Arg Arg Asp Trp Leu
1 5

<210> 2403

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2403

Gly Gly Arg Arg His Arg Leu Gly
1 5

<210> 2404

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2404

Gly Ile Val Glu Gln Cys Cys Thr Ser Ile Cys Ser Leu Tyr Gln Leu
 1 5 10 15

Glu Asn Tyr Cys Asn
 20

<210> 2405

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2405

Glu Asn Tyr Gly Asn Ser Glu
 1 5

<210> 2406

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2406

Gly Asp Gln Glu Leu Gln Asn Tyr
 1 5

<210> 2407

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2407

Gly Gly Gly Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val
 1 5 10 15

Ser Lys Lys

<210> 2408

<211> 4

<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2408
Asp Tyr Lys Asp
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<210> 2409
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2409
Ala Ala Ala Gly Ala Pro
1 5

<210> 2410
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2410
Asp Tyr Lys Asp Asp Asp Lys
1 5

<210> 2411
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2411
Phe Tyr Asp Trp Phe
1 5

<210> 2412
<211> 5
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2412

Phe Tyr Glu Trp Phe
1 5

<210> 2413

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2413

Asp Tyr Lys Asp Leu Cys Gln Ser Trp Gly Val Arg Ile Gly Trp Leu
1 5 10 15

Ala Gly Leu Cys Pro Lys Lys
20

<210> 2414

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable amino acid

<400> 2414

Trp Xaa Gly Tyr Xaa Trp Xaa Xaa
1 5

<210> 2415

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable amino acid

<400> 2415

Phe Tyr Xaa Trp Phe

1

5

<210> 2416

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable amino acid

<400> 2416

Phe Tyr Xaa Xaa Leu Xaa Xaa Leu

1

5

<210> 2417

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable amino acid

<400> 2417

Phe Tyr Xaa Xaa Ile Xaa Xaa Leu

1

5

<210> 2418

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable amino acid

<400> 2418

Phe Tyr Xaa Ala Ile Xaa Xaa Leu

1

5

<210> 2419

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable amino acid

<400> 2419

Phe Tyr Xaa Tyr Phe Xaa Xaa Leu
1 5

<210> 2420

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable amino acid

<400> 2420

Xaa Xaa Xaa Xaa Phe Tyr Xaa Tyr Phe Xaa Xaa Leu Xaa Xaa Xaa Xaa
1 5 10 15

<210> 2421

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable amino acid

<400> 2421

Xaa Leu Cys Xaa Xaa Glu Xaa Xaa Xaa Trp Gly Xaa Xaa Xaa Xaa Xaa
1 5 10 15

Xaa Cys Xaa Xaa
20

<210> 2422

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable amino acid

<400> 2422

Xaa Xaa Xaa Xaa Leu Cys Glu Xaa Phe Gly Gly Xaa Xaa Xaa Xaa Gly
1 5 10 15

Xaa Cys Xaa Xaa
20

<210> 2423

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable amino acid

<400> 2423

Xaa Leu Xaa Xaa Xaa Trp Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa
1 5 10 15

Xaa Cys Xaa Xaa
20

<210> 2424

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable amino acid

<400> 2424

His Pro Pro Leu Ser Xaa Leu Xaa Xaa Xaa Leu Leu
1 5 10

<210> 2425

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2425

Trp Pro Thr Tyr Trp
1 5

<210> 2426

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable amino acid

<400> 2426

Trp Xaa Gly Tyr Xaa Trp Xaa Xaa
1 5

<210> 2427

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2427

Trp Pro Gly Tyr
1

<210> 2428

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2428

Ser Phe His Glu Asp Phe Tyr Asp Trp Phe Asp Arg Gln Val Ser Gly
1 5 10 15

Ser Leu Lys Lys
20

<210> 2429

<211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2429
 Thr Asp Asp Gly Phe Tyr Asp Ala Leu Glu Gln Leu Val Gln Gly Ser
 1 5 10 15

Lys Lys

<210> 2430
 <211> 23
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2430
 Val Thr Phe Thr Ser Ala Val Phe His Glu Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Arg Gln Val Ser Lys Lys
 20

<210> 2431
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2431
 Ala Leu Glu Glu Glu Trp Ala Trp Val Gln Val Arg Ser Ile Arg Ser
 1 5 10 15

Gly Leu Pro Leu
 20

<210> 2432
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic

peptide

<400> 2432

Pro Leu Trp Gly Leu Cys Glu Leu Phe Gly Gly Ala Ser Leu Phe Gly
 1 5 10 15

Tyr Cys Ser Ser
 20

<210> 2433

<211> 120

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<220>

<223> "n" bases represent a, t, c, g, other or unknown

<400> 2433

nnknknknkn nkknknknkn knknknknkn nnknknknkn nkknknknkn knknknknkn 60
 nnknknknkn nkknknknkn knknknknkn nnknknknkn nkknknknkn knknknknkn 120

<210> 2434

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable amino acid

<400> 2434

Asp Xaa Phe Tyr Xaa Xaa Leu Ser Xaa Leu
 1 5 10

<210> 2435

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2435

Asn Phe Tyr Asp Trp Phe Val
 1 5

<210> 2436
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 2436
 Leu Cys Gln Arg Leu Gly Val Gly Trp Pro Gly Trp Leu Ser Gly Trp
 1 5 10 15

Cys Ala

<210> 2437
 <211> 79
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic DNA

<400> 2437
 ctacaaagac ctgtgttaga gtttggggggt tacgtatccg ggttggttgg cgggggtggtg 60
 tgcggcggcc gcagtgtga 79

<210> 2438
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 2438
 Asp Pro Phe Tyr His Lys Leu Ser Glu Leu
 1 5 10

<210> 2439
 <211> 6
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<220>
 <223> Xaa represents a variable amino acid

<400> 2439

Xaa Phe Tyr Asp Xaa Phe
 1 5

<210> 2440
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<220>
 <223> Xaa represents a variable amino acid

<400> 2440
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 1 5 10 15

Ala Xaa Val Thr
 20

<210> 2441
 <211> 8
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<220>
 <223> Xaa represents a variable amino acid

<400> 2441
 Leu Xaa Xaa Leu Xaa Xaa Tyr Phe
 1 5

<210> 2442
 <211> 7
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<220>
 <223> Xaa represents a variable amino acid

<400> 2442
 Trp Pro Xaa Tyr Xaa Trp Leu
 1 5

<210> 2443

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2443

Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser Glu Leu Leu Arg
1 5 10 15

Glu Lys Lys

<210> 2444

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2444

Leu Cys Gln Arg Leu Gly Val Gly Trp Pro Gly Trp Leu Ser Gly Trp
1 5 10 15

Cys Ala

<210> 2445

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2445

Leu Cys Gln Ser Trp Gly Val Arg Ile Gly Trp Leu Thr Gly Leu Cys
1 5 10 15

Pro

<210> 2446

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2446

Lys	Phe	His	Glu	Asn	Phe	Tyr	Asp	Trp	Phe	Val	Arg	Gln	Val	Ser	Lys
1				5				10						15	

Lys

<210> 2447

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2447

Phe	His	Glu	Asn	Phe	Tyr	Asp	Trp	Phe	Val	Arg	Gln	Val	Ala	Lys	Lys
1				5				10						15	

<210> 2448

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2448

Phe	His	Glu	Asn	Phe	Tyr	Asp	Trp	Phe	Val	Arg	Gln	Ala	Ser	Lys	Lys
1				5				10						15	

<210> 2449

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2449

Phe	His	Glu	Asn	Phe	Tyr	Asp	Trp	Phe	Val	Arg	Ala	Val	Ser	Lys	Lys
1				5				10						15	

<210> 2450

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2450

Phe His Glu Asn Phe Tyr Asp Trp Phe Val Ala Gln Val Ser Lys Lys
1 5 10 15

<210> 2451

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2451

Phe His Glu Asn Phe Tyr Asp Trp Phe Ala Arg Gln Val Ser Lys Lys
1 5 10 15

<210> 2452

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2452

Phe His Glu Ala Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys Lys
1 5 10 15

<210> 2453

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2453

Phe His Ala Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys Lys
1 5 10 15

<210> 2454

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2454

Phe	Ala	Glu	Asn	Phe	Tyr	Asp	Trp	Phe	Val	Arg	Gln	Val	Ser	Lys	Lys
1				5				10						15	

<210> 2455

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2455

Ala	His	Glu	Asn	Phe	Tyr	Asp	Trp	Phe	Val	Arg	Gln	Val	Ser	Lys	Lys
1				5				10						15	

<210> 2456

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2456

Phe	His	Glu	Asn	Phe	Tyr	Asp	Trp	Phe	Val	Arg	Gln	Val	Ser	Lys	Lys
1				5				10						15	

<210> 2457

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2457

Glu	Phe	His	Glu	Asn	Phe	Tyr	Asp	Trp	Phe	Val	Arg	Gln	Val	Ser	Glu
1				5				10						15	

Glu

<210> 2458

<211> 16

<212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2458
 Phe His Glu Asn Phe Tyr Gly Trp Phe Val Arg Gln Val Ser Lys Lys
 1 5 10 15

<210> 2459
 <211> 13
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2459
 His Glu Thr Phe Tyr Ser Met Ile Arg Ser Leu Ala Lys
 1 5 10

<210> 2460
 <211> 12
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2460
 Ser Asp Gly Phe Tyr Asn Ala Ile Glu Leu Leu Ser
 1 5 10

<210> 2461
 <211> 14
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2461
 Ser Leu Asn Phe Tyr Asp Ala Leu Gln Leu Leu Ala Lys Lys
 1 5 10

<210> 2462
 <211> 13
 <212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2462

His Asp Pro Phe Tyr Ser Met Met Lys Ser Leu Leu Lys
1 5 10

<210> 2463

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2463

Asn Ser Phe Tyr Glu Ala Leu Arg Met Leu Ser Ser Lys
1 5 10

<210> 2464

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2464

His Pro Thr Ser Lys Glu Ile Tyr Ala Lys Leu Leu Lys
1 5 10

<210> 2465

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2465

His Pro Ser Thr Asn Gln Met Leu Met Lys Leu Phe Lys
1 5 10

<210> 2466

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2466

His Pro Pro Leu Ser Glu Leu Lys Leu Phe Leu Ile Lys Lys
1 5 10

<210> 2467

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2467

His Ala Pro Leu Ser Val Leu Val Gln Ala Leu Leu Lys Lys
1 5 10

<210> 2468

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2468

His Pro Ser Leu Ser Asp Met Arg Trp Ile Leu Leu Lys
1 5 10

<210> 2469

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2469

Trp Ser Asp Phe Tyr Ser Tyr Phe Gln Gly Leu Asp
1 5 10

<210> 2470

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<221> MOD_RES

<222> (17)

<223> Dap

<400> 2470

Phe	His	Glu	Asn	Phe	Tyr	Asp	Trp	Phe	Val	Arg	Gln	Val	Ser	Lys	Lys
1				5				10						15	

Xaa	Phe	His	Glu	Asn	Phe	Tyr	Asp	Trp	Phe	Val	Arg	Gln	Val	Ser	Lys
			20					25					30		

Lys

<210> 2471

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2471

Ser	Ser	Asn	Phe	Tyr	Gln	Ala	Leu	Met	Leu	Leu	Ser
1			5					10			

<210> 2472

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<221> MOD_RES

<222> (17)

<223> Dap

<400> 2472

Phe	His	Glu	Asn	Phe	Tyr	Asp	Trp	Phe	Val	Arg	Gln	Val	Ser	Lys	Lys
1				5				10						15	

Xaa

<210> 2473

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2473

His Glu Asn Phe Tyr Gly Trp Phe Val Arg Gln Val Ser Lys Lys
 1 5 10 15

<210> 2474

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2474

Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys Lys
 1 5 10 15

Lys Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys
 20 25 30

Lys

<210> 2475

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<221> MOD_RES

<222> (17)

<223> Beta Alanine

<400> 2475

Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys Lys
 1 5 10 15

Xaa Lys Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser
 20 25 30

Lys Lys

<210> 2476

<211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<220>
 <221> MOD_RES
 <222> (17)
 <223> Beta Alanine

<220>
 <221> MOD_RES
 <222> (18)
 <223> Dap

<220>
 <221> MOD_RES
 <222> (19)
 <223> Beta Alanine

<400> 2476
 Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys Lys
 1 5 10 15
 Xaa Xaa Xaa Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val
 20 25 30
 Ser Lys Lys
 35

<210> 2477
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2477
 Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys Lys
 1 5 10 15
 Gly Lys Gly Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val
 20 25 30
 Ser Lys Lys
 35

<210> 2478
 <211> 35
 <212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<221> MOD_RES

<222> (17)

<223> Beta Alanine

<220>

<221> MOD_RES

<222> (19)

<223> Beta Alanine

<400> 2478

Phe	His	Glu	Asn	Phe	Tyr	Asp	Trp	Phe	Val	Arg	Gln	Val	Ser	Lys	Lys
1				5				10						15	

Xaa	Lys	Xaa	Phe	His	Glu	Asn	Phe	Tyr	Asp	Trp	Phe	Val	Arg	Gln	Val
			20					25					30		

Ser	Lys	Lys
		35

<210> 2479

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<221> MOD_RES

<222> (17)

<223> Dap

<400> 2479

Phe	His	Glu	Asn	Phe	Tyr	Asp	Trp	Phe	Val	Arg	Gln	Val	Ser	Lys	Lys
1				5				10						15	

Xaa	Phe	His	Glu	Asn	Phe	Tyr	Asp	Trp	Phe	Val	Arg	Gln	Val	Ser	Lys
			20					25					30		

Lys

<210> 2480

<211> 33

<212> PRT

<213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<220>
 <221> MOD_RES
 <222> (17)
 <223> Orn

<400> 2480
 Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys Lys
 1 5 10 15
 Xaa Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys
 20 25 30

Lys

<210> 2481
 <211> 34
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<220>
 <221> MOD_RES
 <222> (17)
 <223> Dap

<220>
 <221> MOD_RES
 <222> (18)
 <223> Beta Alanine

<400> 2481
 Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys Lys
 1 5 10 15
 Xaa Xaa Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser
 20 25 30

Lys Lys

<210> 2482
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic

peptide

<220>
 <221> MOD_RES
 <222> (17)
 <223> Beta Alanine

<220>
 <221> MOD_RES
 <222> (18)
 <223> Orn

<220>
 <221> MOD_RES
 <222> (19)
 <223> Beta Alanine

<400> 2482
 Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys Lys
 1 5 10 15

Xaa Xaa Xaa Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val
 20 25 30

Ser Lys Lys
 35

<210> 2483
 <211> 36
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<220>
 <221> MOD_RES
 <222> (1)
 <223> Thia

<220>
 <221> MOD_RES
 <222> (2)
 <223> Beta Alanine

<220>
 <221> MOD_RES
 <222> (19)
 <223> Thia

<220>
 <221> MOD_RES
 <222> (20)
 <223> Beta Alanine

<400> 2483

Xaa Xaa Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser
 1 5 10 15

Lys Lys Xaa Xaa Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln
 20 25 30

Val Ser Lys Lys
 35

<210> 2484

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2484

Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser
 1 5 10

<210> 2485

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2485

Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys
 1 5 10 15

<210> 2486

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2486

Phe His Glu Asn Phe Tyr Asp Trp Phe Val Gln Val Ser Lys
 1 5 10

<210> 2487

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2487

Phe His Glu Asn Phe Tyr Asp Trp Phe Val Val Ser Lys
1 5 10

<210> 2488

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2488

Phe His Glu Asn Phe Tyr Asp Trp Phe Val Ser Lys
1 5 10

<210> 2489

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2489

Phe His Glu Asn Phe Tyr Asp Trp Phe Val Lys
1 5 10

<210> 2490

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2490

Phe Tyr Asp Trp Phe
1 5

<210> 2491

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2491

Phe	Tyr	Asp	Trp	Phe	Lys	Lys
1				5		

<210> 2492

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2492

Ala	Ala	Ala	Ala	Phe	Tyr	Asp	Trp	Phe	Ala	Ala	Ala	Ala	Ala	Lys	Lys
1				5				10						15	

<210> 2493

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2493

Phe	His	Glu	Asn	Phe	Tyr	Asp	Trp	Phe	Val	Arg	Gln	Val	Ser	Lys	Lys
1				5				10						15	

Phe	His	Glu	Asn	Phe	Tyr	Asp	Trp	Phe	Val	Arg	Gln	Val	Ser	Lys	Lys
			20					25					30		

<210> 2494

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2494

Cys	Gly	Phe	His	Glu	Asn	Phe	Tyr	Asp	Trp	Phe	Val	Arg	Gln	Val	Ser
1				5				10					15		

Lys	Lys	Cys	Gly	Phe	His	Glu	Asn	Phe	Tyr	Asp	Trp	Phe	Val	Arg	Gln
			20					25					30		

Val Ser Lys Lys
35

<210> 2495
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2495
Cys Gly Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser
1 5 10 15

Lys Lys

<210> 2496
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2496
Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys Lys
1 5 10 15

Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys Lys
20 25 30

<210> 2497
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2497
Ala Phe Tyr Asp Trp Phe Ala Lys
1 5

<210> 2498
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2498
Ala Phe Tyr Asp Trp Phe Ala
1 5

<210> 2499
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2499
Ala Phe Tyr Asp Trp Phe
1 5

<210> 2500
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2500
Phe Tyr Asp Trp Asp Ala
1 5

<210> 2501
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2501
Phe Tyr Asp Trp Phe
1 5

<210> 2502
<211> 16
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2502

Phe	His	Glu	Asn	Phe	Tyr	Asp	Trp	Phe	Val	Arg	Gln	Val	Ser	Lys	Lys
1				5				10						15	

<210> 2503

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2503

Gly	Gly	Gly	Phe	His	Glu	Asn	Phe	Tyr	Asp	Trp	Phe	Val	Arg	Gln	Val
1				5				10						15	

Ser Lys Lys

<210> 2504

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2504

Phe	His	Glu	Asn	Phe	Tyr	Asp	Trp	Phe	Val	Arg	Gln	Val	Ser	Lys	Lys
1				5				10						15	

Gly Gly Gly

<210> 2505

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2505

Cys	Ala	Trp	Pro	Thr	Tyr	Trp	Asn	Cys	Gly
1				5					10

<210> 2506
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2506
Ala Cys Ala Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 2507
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2507
Ala Cys Ala Trp Pro Thr Tyr Trp Asn Cys Gly Gly Gly Gly
1 5 10

<210> 2508
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2508
Ser Asp Gly Phe Tyr Asn Ala Ile Glu Leu Leu Ser
1 5 10

<210> 2509
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2509
Ser Asp Gly Phe Tyr Asn Ala Ile Glu Leu Leu Ser
1 5 10

<210> 2510

<211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2510
 Ser Asp Gly Phe Tyr Asn Ala Ile Glu Leu Leu Ser Gly Gly Gly
 1 5 10 15

<210> 2511
 <211> 23
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2511
 Lys His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe
 1 5 10 15

Gly Tyr Cys Ser Gly Lys Lys
 20

<210> 2512
 <211> 9
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2512
 Ala Phe Tyr Asp Trp Phe Ala Lys Lys
 1 5

<210> 2513
 <211> 9
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2513
 Ala Phe Tyr Glu Trp Phe Ala Lys Lys
 1 5

<210> 2514
 <211> 9
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2514
 Ala Phe Tyr Gly Trp Phe Ala Lys Lys
 1 5

<210> 2515
 <211> 9
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2515
 Ala Phe Tyr Lys Trp Phe Ala Lys Lys
 1 5

<210> 2516
 <211> 24
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2516
 Ser Asp Gly Phe Tyr Asn Ala Ile Glu Leu Leu Ser Ser Asp Gly Phe
 1 5 10 15

Tyr Asn Ala Ile Glu Leu Leu Ser
 20

<210> 2517
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2517
 Ala Phe Tyr Asp Trp Phe Ala Lys Lys Ala Phe Tyr Asp Trp Phe Ala

1 5 10 15

Lys Lys

<210> 2518
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2518
 Phe His Glu Asn Ala Tyr Asp Trp Phe Val Arg Gln Val Ser Lys Lys
 1 5 10 15

<210> 2519
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2519
 Phe His Glu Asn Phe Ala Asp Trp Phe Val Arg Gln Val Ser Lys Lys
 1 5 10 15

<210> 2520
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2520
 Phe His Glu Asn Phe Tyr Ala Trp Phe Val Arg Gln Val Ser Lys Lys
 1 5 10 15

<210> 2521
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2521

Phe	His	Glu	Asn	Phe	Tyr	Asp	Ala	Phe	Val	Arg	Gln	Val	Ser	Lys	Lys
1				5					10					15	

<210> 2522

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2522

Phe	His	Glu	Asn	Phe	Thr	Asp	Trp	Ala	Val	Arg	Gln	Val	Ser	Lys	Lys
1				5					10					15	

<210> 2523

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2523

Phe	Gln	Ser	Leu	Leu	Glu	Glu	Leu	Val	Trp	Gly	Ala	Pro	Leu	Phe	Arg
1				5					10					15	

Tyr	Gly	Thr	Gly
			20

<210> 2524

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2524

Pro	Leu	Cys	Val	Leu	Glu	Glu	Leu	Phe	Trp	Gly	Ala	Ser	Leu	Phe	Gly
1				5					10					15	

Gln	Cys	Ser	Gly
			20

<210> 2525

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2525

Gln Leu Glu Glu Glu Trp Ala Gly Val Gln Cys Glu Val Tyr Gly Arg
 1 5 10 15

Glu Cys Pro Ser
 20

<210> 2526

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2526

Cys Gly Gly Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val
 1 5 10 15

Ser Lys Lys

<210> 2527

<211> 38

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2527

Cys Gly Gly Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val
 1 5 10 15

Ser Lys Lys Cys Gly Gly Phe His Glu Asn Phe Tyr Asp Trp Phe Val
 20 25 30

Arg Gln Val Ser Lys Lys
 35

<210> 2528

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<400> 2528

Ser Asp Gly Phe Tyr Asn Ala Ile Glu Leu Leu Ser Lys His Leu Cys
 1 5 10 15

Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly Tyr Cys Ser
 20 25 30

Gly Lys Lys
 35

<210> 2529

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<220>

<221> MOD_RES

<222> (17)

<223> Dap

<400> 2529

Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys Lys
 1 5 10 15

Xaa Lys His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu
 20 25 30

Phe Gly Tyr Cys Ser Gly Lys Lys
 35 40

<210> 2530

<211> 38

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2530

Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys Lys
 1 5 10 15

Gly Gly Gly Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val
 20 25 30

Ser Lys Lys Gly Gly Gly
 35

<210> 2531
 <211> 38
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2531
 Gly Gly Gly Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val
 1 5 10 15
 Ser Lys Lys Gly Gly Gly Phe His Glu Asn Phe Tyr Asp Trp Phe Val
 20 25 30
 Arg Gln Val Ser Lys Lys
 35

<210> 2532
 <211> 28
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2532
 Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys Lys
 1 5 10 15
 Ser Asp Gly Phe Tyr Asn Ala Ile Glu Leu Leu Ser
 20 25

<210> 2533
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2533
 Arg Val Asp Trp Leu Gln Arg Asn Ala Asn Phe Tyr Asp Trp Phe Val
 1 5 10 15
 Ala Glu Leu Gly
 20

<210> 2534
 <211> 19

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2534
Val Asp Trp Leu Gln Arg Asn Ala Asn Phe Tyr Asp Trp Phe Val Ala
1 5 10 15

Glu Leu Gly

<210> 2535
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2535
Asp Trp Leu Gln Arg Asn Ala Asn Phe Tyr Asp Trp Phe Val Ala Glu
1 5 10 15

Leu Gly

<210> 2536
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2536
Trp Leu Gln Arg Asn Ala Asn Phe Tyr Asp Trp Phe Val Ala Glu Leu
1 5 10 15

Gly

<210> 2537
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2537

Leu Gln Arg Asn Ala Asn Phe Tyr Asp Trp Phe Val Ala Glu Leu Gly
1 5 10 15

<210> 2538

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2538

Gln Arg Asn Ala Asn Phe Tyr Asp Trp Phe Val Ala Glu Leu Gly
1 5 10 15

<210> 2539

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2539

Arg Asn Ala Asn Phe Tyr Asp Trp Phe Val Ala Glu Leu Gly
1 5 10

<210> 2540

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2540

Asn Ala Asn Phe Tyr Asp Trp Phe Val Ala Glu Leu Gly
1 5 10

<210> 2541

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2541

Ala Asn Phe Tyr Asp Trp Phe Val Ala Glu Leu Gly
 1 5 10

<210> 2542

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2542

Asn Phe Tyr Asp Trp Phe Val Ala Glu Leu Gly
 1 5 10

<210> 2543

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2543

Gly Arg Val Asp Trp Leu Gln Arg Asn Ala Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Ala Glu Leu Gly
 20

<210> 2544

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2544

Gly Arg Val Asp Trp Leu Gln Arg Asn Ala Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Ala Glu Leu Gly
 20

<210> 2545

<211> 31

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<221> MOD_RES

<222> (31)

<223> Dap

<400> 2545

Ala	Cys	Ala	Trp	Pro	Thr	Tyr	Trp	Asn	Cys	Gly	Gly	Gly	Gly	Phe	His
1				5				10						15	

Glu	Asn	Phe	Tyr	Asp	Trp	Phe	Val	Arg	Gln	Val	Ser	Lys	Lys	Xaa
			20					25					30	

<210> 2546

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2546

Ala	Cys	Ala	Trp	Pro	Thr	Tyr	Trp	Asn	Cys	Gly	Gly	Gly	Gly	Ser	Asp
1				5				10						15	

Gly	Phe	Tyr	Asn	Ala	Ile	Glu	Leu	Leu	Ser
			20					25	

<210> 2547

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2547

Gly	Arg	Val	Asp	Trp	Leu	Gln	Arg	Asn	Ala	Asn	Phe	Tyr	Asp	Trp	Phe
1				5				10						15	

Val	Ala	Glu	Leu
			20

<210> 2548

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2548

Gly Arg Val Asp Trp Leu Gln Arg Asn Ala Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ala Glu

<210> 2549

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2549

Gly Arg Val Asp Trp Leu Gln Arg Asn Ala Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ala

<210> 2550

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2550

Gly Arg Val Asp Trp Leu Gln Arg Asn Ala Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val

<210> 2551

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2551

Ser Asp Gly Phe Tyr Asn Ala Ile Glu Leu Leu Ser Ser Asp Gly Phe

1 5 10 15
 Tyr Asn Ala Ile Glu Leu Leu Ser
 20

<210> 2552

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2552

Gly Arg Val Asp Trp Leu Gln Arg Asn Ala Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Ala Glu Leu Gly
 20

<210> 2553

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2553

Gly Arg Val Asp Trp Leu Gln Arg Asn Ala Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Ala Glu Leu Gly
 20

<210> 2554

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2554

Ser Asp Gly Phe Tyr Asn Ala Ile Glu Leu Leu Ser Gly Gly Gly Ser
 1 5 10 15

Asp Gly Phe Tyr Asn Ala Ile Glu Leu Leu Ser Gly Gly Gly
 20 25 30

<210> 2555
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<220>
<221> MOD_RES
<222> (2)
<223> Acy

<220>
<221> MOD_RES
<222> (12)
<223> Tic

<400> 2555
His Xaa Cys Leu Glu Glu Trp Gly Ala Ser Leu Xaa Gln Cys Ser Gly
1 5 10 15

<210> 2556
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2556
Leu Asp Arg Gln Phe Tyr Arg Tyr Phe Gln Asp Leu Leu Val Gly Phe
1 5 10 15

Met

<210> 2557
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2557
Trp Gly Arg Ser Phe Tyr Arg Tyr Phe Glu Thr Leu Leu Ala Gln Gly
1 5 10 15

Ile

<210> 2558

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2558

Pro Leu Cys Phe Leu Gln Glu Leu Phe Gly Gly Ala Ser Leu Gly Gly
1 5 10 15

Tyr Cys Ser Gly
20

<210> 2559

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2559

Trp Leu Glu Gln Glu Arg Ala Trp Ile Trp Cys Glu Ile Gln Gly Ser
1 5 10 15

Gly Cys Arg Ala
20

<210> 2560

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2560

Thr Gly His Arg Leu Gly Leu Asp Glu Gln Phe Tyr Trp Trp Phe Arg
1 5 10 15

Asp Ala Leu Ser Gly
20

<210> 2561

<211> 16

<212> PRT

<213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<220>
 <221> MOD_RES
 <222> (2)
 <223> Abu

<220>
 <221> MOD_RES
 <222> (12)
 <223> Tic

<400> 2561
 His Xaa Cys Leu Glu Glu Trp Gly Ala Ser Leu Xaa Gln Cys Ser Gly
 1 5 10 15

<210> 2562
 <211> 22
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<220>
 <221> MOD_RES
 <222> (1)
 <223> Dap

<220>
 <221> MOD_RES
 <222> (12)
 <223> Dap

<400> 2562
 Xaa Cys Ala Trp Pro Thr Tyr Trp Asn Cys Gly Xaa Cys Ala Trp Pro
 1 5 10 15

Thr Tyr Trp Asn Cys Gly
 20

<210> 2563
 <211> 11
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<220>
 <221> MOD_RES

<222> (3)

<223> Hyp

<400> 2563

Arg Asp Xaa Phe Tyr Asp Trp Phe Asp Asp Ile
1 5 10

<210> 2564

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2564

Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys Lys
1 5 10 15

Ser Asp Gly Phe Tyr Asn Ala Ile Glu Leu Leu Ser
20 25

<210> 2565

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2565

Asp Trp Leu Gln Arg Asn Ala Asn Phe Tyr Asp Trp Phe Val Ala Glu
1 5 10 15

Leu Ser Asp Gly Phe Tyr Asn Ala Ile Glu Leu Leu
20 25

<210> 2566

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2566

Asp Trp Leu Gln Arg Asn Ala Asn Phe Tyr Asp Trp Phe Val Ala Glu
1 5 10 15

Leu Ser Asp Gly Phe Tyr Asn Ala Ile Glu Leu Leu
20 25

<210> 2567

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2567

Asp Trp Leu Gln Arg Asn Ala Asn Phe Tyr Asp Trp Phe Val Ala Glu
1 5 10 15

Leu Gly Gly Gly Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln
20 25 30

Val Ser Lys Lys
35

<210> 2568

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2568

Asp Trp Leu Gln Arg Asn Ala Asn Phe Tyr Asp Trp Phe Val Ala Glu
1 5 10 15

Leu Gly Gly Gly Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln
20 25 30

Val Ser Lys Lys
35

<210> 2569

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2569

Val Ala Ser Gly His Val Leu His Gly Gln Phe Tyr Arg Trp Phe Val
1 5 10 15

Asp Gln Phe Ala Leu Glu Glu
20

<210> 2570
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2570
 Val Gly Asp Phe Cys Val Ser His Asp Cys Phe Tyr Gly Trp Phe Leu
 1 5 10 15
 Arg Glu Ser Met Gln
 20

<210> 2571
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2571
 Asp Leu Arg Val Leu Cys Glu Leu Phe Gly Gly Ala Tyr Val Leu Gly
 1 5 10 15
 Tyr Cys Ser Glu
 20

<210> 2572
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2572
 His Leu Ser Val Gly Glu Glu Leu Ser Trp Trp Val Ala Leu Leu Gly
 1 5 10 15
 Gln Trp Ala Arg
 20

<210> 2573
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2573

Ala	Pro	Val	Ser	Thr	Glu	Glu	Leu	Arg	Trp	Gly	Ala	Leu	Leu	Phe	Gly
1					5				10					15	

Gln	Trp	Ala	Gly
			20

<210> 2574

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2574

Ala	Leu	Glu	Glu	Glu	Trp	Ala	Trp	Val	Gln	Val	Arg	Ser	Ile	Arg	Ser
1				5					10					15	

Gly	Leu	Pro	Leu
			20

<210> 2575

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2575

Trp	Leu	Glu	His	Glu	Trp	Ala	Gln	Ile	Gln	Cys	Glu	Leu	Tyr	Gly	Arg
1				5					10					15	

Gly	Cys	Thr	Tyr
			20

<210> 2576

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2576

Ala Ala Val His Glu Gln Phe Tyr Asp Trp Phe Ala Asp Gln Tyr Glu
 1 5 10 15

Glu

<210> 2577

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2577

Gln Ala Pro Ser Asn Phe Tyr Asp Trp Phe Val Arg Glu Trp Asp Glu
 1 5 10 15

Glu

<210> 2578

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2578

Gln Ser Phe Tyr Asp Tyr Ile Glu Glu Leu Leu Gly Gly Glu Trp Lys
 1 5 10 15

Lys

<210> 2579

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2579

Asp Pro Phe Tyr Gln Gly Leu Trp Glu Trp Leu Arg Glu Ser Gly Glu
 1 5 10 15

Glu

<210> 2580

<211> 38

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2580

Gly	Gly	Gly	Phe	His	Glu	Asn	Phe	Tyr	Asp	Trp	Phe	Val	Arg	Gln	Val
1				5				10					15		

Ser	Lys	Lys	Gly	Gly	Gly	Phe	His	Glu	Asn	Phe	Tyr	Asp	Trp	Phe	Val
			20					25					30		

Arg	Gln	Val	Ser	Lys	Lys
			35		

<210> 2581

<211> 38

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2581

Gly	Gly	Gly	Phe	His	Glu	Asn	Phe	Tyr	Asp	Trp	Phe	Val	Arg	Gln	Val
1				5				10					15		

Ser	Lys	Lys	Gly	Gly	Gly	Phe	His	Glu	Asn	Phe	Tyr	Asp	Trp	Phe	Val
			20					25					30		

Arg	Gln	Val	Ser	Lys	Lys
			35		

<210> 2582

<211> 38

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2582

Gly	Gly	Gly	Phe	His	Glu	Asn	Phe	Tyr	Asp	Trp	Phe	Val	Arg	Gln	Val
1				5				10					15		

Ser	Lys	Lys	Gly	Gly	Gly	Phe	His	Glu	Asn	Phe	Tyr	Asp	Trp	Phe	Val
			20					25					30		

Arg Gln Val Ser Lys Lys
35

<210> 2583
<211> 38
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2583
Gly Gly Gly Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val
1 5 10 15
Ser Lys Lys Gly Gly Gly Phe His Glu Asn Phe Tyr Asp Trp Phe Val
20 25 30

Arg Gln Val Ser Lys Lys
35

<210> 2584
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2584
Asp Trp Leu Gln Arg Asn Ala Asn Phe Tyr Asp Trp Phe Val Ala Glu
1 5 10 15

Leu

<210> 2585
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2585
Asp Trp Leu Gln Arg Asn Ala Asn Phe Tyr Asp Trp Phe Val Ala Glu
1 5 10 15

Leu

<210> 2586

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2586

Ser Asp Gly Phe Tyr Asn Ala Ile Glu Leu Leu Ser Ser Asp Gly Phe
 1 5 10 15

Tyr Asn Ala Ile Glu Leu Leu Ser
 20

<210> 2587

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2587

Ser Asp Gly Phe Tyr Asn Ala Ile Glu Leu Leu Ser Ser Asp Gly Phe
 1 5 10 15

Tyr Asn Ala Ile Glu Leu Leu Ser
 20

<210> 2588

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2588

Lys His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe
 1 5 10 15

Gly Tyr Cys Ser Gly Lys Lys Lys Lys
 20 25

<210> 2589

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2589

Lys	His	Leu	Cys	Val	Leu	Glu	Glu	Leu	Phe	Trp	Gly	Ala	Ser	Leu	Phe
1				5					10					15	

Gly	Tyr	Cys	Ser	Gly	Lys	Lys	Lys	Lys
			20				25	

<210> 2590

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2590

Asp	Trp	Leu	Gln	Arg	Asn	Ala	Asn	Phe	Tyr	Asp	Trp	Phe	Val	Ala	Glu
1				5					10					15	

Leu	Asp	Trp	Leu	Gln	Arg	Asn	Ala	Asn	Phe	Tyr	Asp	Trp	Phe	Val	Ala
			20					25						30	

Glu Leu

<210> 2591

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2591

Asp	Trp	Leu	Gln	Arg	Asn	Ala	Asn	Phe	Tyr	Asp	Trp	Phe	Val	Ala	Glu
1				5					10					15	

Leu	Asp	Trp	Leu	Gln	Arg	Asn	Ala	Asn	Phe	Tyr	Asp	Trp	Phe	Val	Ala
			20					25						30	

Glu Leu

<210> 2592

<211> 12

<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<220>
<221> MOD_RES
<222> (8)
<223> Acy

<400> 2592
Ser Asp Gly Phe Tyr Asn Ala Xaa Glu Leu Leu Ser
1 5 10

<210> 2593
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<220>
<221> MOD_RES
<222> (8)
<223> Acy

<220>
<221> MOD_RES
<222> (13)
<223> Aib

<400> 2593
Ser Gly Pro Phe Tyr Glu Glu Xaa Glu Leu Leu Trp Xaa
1 5 10

<210> 2594
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<220>
<221> MOD_RES
<222> (8)
<223> Acy

<220>
<221> MOD_RES
<222> (10)
<223> Aib

<220>
<221> MOD_RES
<222> (13)
<223> Aib

<400> 2594
Gly Gly Ser Phe Tyr Asp Asp Xaa Glu Xaa Leu Trp Xaa
1 5 10

<210> 2595
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<220>
<221> MOD_RES
<222> (2)
<223> Aib

<220>
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<222> (8)
<223> Acy

<220>
<221> MOD_RES
<222> (11)
<223> Cha

<220>
<221> MOD_RES
<222> (13)
<223> Aib

<400> 2595
Asn Xaa Pro Phe Tyr Asp Glu Xaa Asp Glu Xaa Trp Xaa
1 5 10

<210> 2596
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<220>
<221> MOD_RES
<222> (20)
<223> Acy

<400> 2596

Gly Arg Val Asp Trp Leu Gln Arg Asn Ala Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ala Glu Xaa Gly
20

<210> 2597

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2597

Ala Pro Thr Phe Tyr Ala Trp Phe Asn Gln Gln Thr Gly Gly Gly Ser
1 5 10 15

<210> 2598

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2598

Ser Phe Tyr Glu Ala Ile His Gln Leu Leu Gly Val Gly Gly Gly Ser
1 5 10 15

<210> 2599

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2599

Asn Ser Phe Tyr Glu Ala Leu Arg Met Leu Ser Ser Gly Gly Gly Ser
1 5 10 15

<210> 2600

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2600

Ser Leu Asn Phe Tyr Asp Ala Leu Gln Leu Leu Ala Gly Gly Gly Ser
 1 5 10 15

<210> 2601

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2601

Ser Ser Asn Phe Tyr Gln Ala Leu Met Leu Leu Ser Gly Gly Gly Ser
 1 5 10 15

<210> 2602

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2602

Ser Asp Gly Phe Tyr Asn Ala Ile Glu Leu Leu Ser Gly Gly Gly Ser
 1 5 10 15

<210> 2603

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2603

His Glu Thr Phe Tyr Ser Met Ile Arg Ser Leu Ala Gly Gly Gly Ser
 1 5 10 15

<210> 2604

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<400> 2604

His	Asp	Pro	Phe	Tyr	Ser	Met	Met	Lys	Ser	Leu	Leu	Gly	Gly	Gly	Ser
1				5				10						15	

<210> 2605

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2605

Trp	Ser	Asp	Phe	Tyr	Ser	Tyr	Phe	Gln	Gly	Leu	Asp	Gly	Gly	Gly	Ser
1				5				10						15	

<210> 2606

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2606

His	Pro	Pro	Leu	Glu	His	Leu	Lys	Ala	Phe	Leu	Leu	Gly	Gly	Gly	Ser
1				5				10						15	

<210> 2607

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2607

His	Pro	Pro	Leu	Ser	Glu	Leu	Lys	Leu	Phe	Leu	Ile	Gly	Gly	Gly	Ser
1				5				10						15	

<210> 2608

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2608

His Pro Ser Leu Ser Asp Met Arg Trp Ile Leu Leu Gly Gly Gly Ser
1 5 10 15

<210> 2609

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2609

His Ala Pro Leu Ser Val Leu Gln Ala Leu Leu Gly Gly Gly Ser
1 5 10 15

<210> 2610

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2610

His Pro Thr Ser Lys Glu Ile Tyr Ala Lys Leu Leu Gly Gly Gly Ser
1 5 10 15

<210> 2611

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2611

His Pro Ser Thr Asn Gln Met Leu Met Lys Leu Phe Gly Gly Gly Ser
1 5 10 15

<210> 2612

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2612
 Ile Leu Pro Ile
 1

<210> 2613
 <211> 44
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2613
 Ala Gln Pro Ala Met Ala Trp Leu Asp Gln Glu Trp Ala Trp Val Gln
 1 5 10 15
 Cys Glu Val Tyr Gly Arg Gly Cys Pro Ser Ala Ala Ala Gly Ala Pro
 20 25 30
 Val Pro Tyr Pro Asp Pro Leu Glu Pro Arg Ala Ala
 35 40

<210> 2614
 <211> 70
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2614
 Ala Gln Pro Ala Met Ala Trp Leu Asp Gln Glu Trp Ala Trp Val Gln
 1 5 10 15
 Cys Glu Val Tyr Gly Arg Gly Cys Pro Ser Gly Gly Ser Gly Gly Ser
 20 25 30
 Trp Leu Asp Gln Glu Trp Ala Trp Val Gln Cys Glu Val Tyr Gly Arg
 35 40 45
 Gly Cys Pro Ser Ala Ala Ala Gly Ala Pro Val Pro Tyr Pro Asp Pro
 50 55 60
 Leu Glu Pro Arg Ala Ala
 65 70

<210> 2615
 <211> 46
 <212> PRT
 <213> Artificial Sequence
 <220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2615

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Ile Ser Glu Phe Gly Ser Ala Asp Tyr Lys Asp Leu Asp Ala Leu Asp
 1           5           10           15

Arg Leu Met Arg Tyr Phe Glu Glu Arg Pro Ser Leu Ala Ala Ala Gly
          20           25           30

Ala Pro Val Pro Tyr Pro Asp Pro Leu Glu Pro Arg Ala Ala
      35           40           45

```

<210> 2616

<211> 61

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2616

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Asp Tyr Lys Asp Asp Asp Asp Lys Phe His Glu Asn Phe Tyr Asp Trp
 1           5           10           15

Phe Val Arg Gln Val Ser Gly Ser Gly Ser Leu Asp Ala Leu Asp Arg
          20           25           30

Leu Met Arg Tyr Phe Glu Glu Arg Pro Ser Leu Ala Ala Ala Gly Ala
      35           40           45

Pro Val Pro Tyr Pro Asp Pro Leu Glu Pro Arg Ala Ala
      50           55           60

```

<210> 2617

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2617

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Asp Tyr Lys Asp Asp Asp Asp Phe His Glu Asn Phe Tyr Asp Trp Phe
 1           5           10           15

Val Arg Gln Val Ser Ala Ala Ala Gly Ala Pro Val Pro Tyr Pro Asp
          20           25           30

Pro Leu Glu Pro Arg Ala Ala
      35

```

<210> 2618
 <211> 45
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2618
 Asp Tyr Lys Asp Asp Asp Asp His Leu Cys Val Leu Glu Glu Leu Phe
 1 5 10 15
 Trp Gly Ala Ser Leu Phe Gly Tyr Cys Ser Gly Ala Ala Ala Gly Ala
 20 25 30
 Pro Val Pro Tyr Pro Asp Pro Leu Glu Pro Arg Ala Ala
 35 40 45

<210> 2619
 <211> 66
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2619
 Asp Tyr Lys Asp Asp Asp Asp Lys Phe His Glu Asn Phe Tyr Asp Trp
 1 5 10 15
 Phe Val Arg Gln Val Ser Gly Gly Ser Gly Gly Ser His Leu Cys Val
 20 25 30
 Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly Tyr Cys Ser Gly
 35 40 45
 Ala Ala Ala Gly Ala Pro Val Pro Tyr Pro Asp Pro Leu Glu Pro Arg
 50 55 60
 Ala Ala
 65

<210> 2620
 <211> 69
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2620
 Asp Tyr Lys Asp Asp Asp Asp Lys Phe His Glu Asn Phe Tyr Asp Trp

1 5 10 15
 Phe Val Arg Gln Val Ser Gly Gly Ser Gly Gly Ser Gly Gly Ser His
 20 25 30
 Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly Tyr
 35 40 45
 Cys Ser Gly Ala Ala Ala Gly Ala Pro Val Pro Tyr Pro Asp Pro Leu
 50 55 60
 Glu Pro Arg Ala Ala
 65

<210> 2621
 <211> 72
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2621
 Asp Tyr Lys Asp Asp Asp Asp Lys Phe His Glu Asn Phe Tyr Asp Trp
 1 5 10 15
 Phe Val Arg Gln Val Ser Gly Gly Ser Gly Gly Ser Gly Gly Ser Gly
 20 25 30
 Gly Ser His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu
 35 40 45
 Phe Gly Tyr Cys Ser Gly Ala Ala Ala Gly Ala Pro Val Pro Tyr Pro
 50 55 60
 Asp Pro Leu Glu Pro Arg Ala Ala
 65 70

<210> 2622
 <211> 44
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2622
 Ala Gln Pro Ala Met Ala Arg Gly Gly Gly Thr Phe Tyr Glu Trp Phe
 1 5 10 15
 Glu Ser Ala Leu Arg Lys His Gly Ala Gly Ala Ala Ala Gly Ala Pro
 20 25 30

Val Pro Tyr Pro Asp Pro Leu Glu Pro Arg Ala Ala
 35 40

<210> 2623

<211> 70

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2623

Ala Gln Pro Ala Met Ala Arg Gly Gly Gly Thr Phe Tyr Glu Trp Phe
 1 5 10 15

Glu Ser Thr Leu Arg Lys His Gly Ala Gly Gly Gly Ser Gly Gly Ser
 20 25 30

Arg Gly Gly Gly Thr Phe Tyr Glu Trp Phe Glu Ser Ala Leu Arg Lys
 35 40 45

His Gly Ala Gly Ala Ala Ala Gly Ala Pro Val Pro Tyr Pro Asp Pro
 50 55 60

Leu Glu Pro Arg Ala Ala
 65 70

<210> 2624

<211> 79

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2624

Ala Gln Pro Ala Met Ala Arg Gly Gly Gly Thr Phe Tyr Glu Trp Phe
 1 5 10 15

Glu Ser Ala Leu Arg Lys His Gly Ala Gly Gly Gly Ser Gly Gly Ser
 20 25 30

Gly Gly Ser Gly Gly Ser Arg Gly Gly Gly Thr Phe Tyr Glu Trp Phe
 35 40 45

Glu Ser Ala Leu Arg Lys His Gly Ala Gly Ala Ala Ala Gly Ala Pro
 50 55 60

Val Pro Tyr Pro Asp Pro Leu Glu Pro Arg Ala Ala Leu Thr Asn
 65 70 75

<210> 2625

<211> 84
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2625
 Ile Ser Glu Phe Ile Glu Val Arg Ala Gln Pro Ala Met Ala Arg Gly
 1 5 10 15
 Gly Gly Thr Phe Tyr Glu Trp Phe Glu Ser Ala Leu Arg Lys His Gly
 20 25 30
 Ala Gly Gly Gly Ser Gly Gly Ser Gly Gly Ser Gly Gly Ser Arg Gly
 35 40 45
 Gly Gly Thr Phe Tyr Glu Trp Phe Glu Ser Ala Leu Arg Lys His Gly
 50 55 60
 Ala Gly Ala Ala Ala Gly Ala Pro Val Pro Tyr Pro Asp Pro Leu Glu
 65 70 75 80
 Pro Arg Ala Ala

<210> 2626
 <211> 38
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2626
 Ala Gln Pro Ala Met Ala Phe His Glu Asn Phe Tyr Asp Trp Phe Val
 1 5 10 15
 Arg Gln Val Ser Ala Ala Ala Gly Ala Pro Val Pro Tyr Pro Asp Pro
 20 25 30
 Leu Glu Pro Arg Ala Ala
 35

<210> 2627
 <211> 55
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2627

Ala Gln Pro Ala Met Ala Phe His Glu Asn Phe Tyr Asp Trp Phe Val
 1 5 10 15

Arg Gln Val Ser Gly Gly Ser Phe His Glu Asn Phe Tyr Asp Trp Phe
 20 25 30

Val Arg Gln Val Ser Ala Ala Ala Gly Ala Pro Val Pro Tyr Pro Asp
 35 40 45

Pro Leu Glu Pro Arg Ala Ala
 50 55

<210> 2628

<211> 72

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2628

Ala Gln Pro Ala Met Ala Phe His Glu Asn Phe Tyr Asp Trp Phe Val
 1 5 10 15

Arg Gln Val Ser Gly Gly Ser Phe His Glu Asn Phe Tyr Asp Trp Phe
 20 25 30

Val Arg Gln Val Ser Gly Gly Ser Phe His Glu Asn Phe Tyr Asp Trp
 35 40 45

Phe Val Arg Gln Val Ser Ala Ala Ala Gly Ala Pro Val Pro Tyr Pro
 50 55 60

Asp Pro Leu Glu Pro Arg Ala Ala
 65 70

<210> 2629

<211> 61

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2629

Ala Gln Pro Ala Met Ala Phe His Glu Asn Phe Tyr Asp Trp Phe Val
 1 5 10 15

Arg Gln Val Ser Gly Gly Ser Gly Gly Ser Gly Gly Ser Phe His Glu
 20 25 30

Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Ala Ala Ala Gly Ala

35 40 45
 Pro Val Pro Tyr Pro Asp Pro Leu Glu Pro Arg Ala Ala
 50 55 60

<210> 2630

<211> 61

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2630

Ala Gln Pro Ala Met Ala Phe His Glu Asn Phe Tyr Asp Trp Phe Val
 1 5 10 15
 Arg Gln Val Ser Gly Gly Ser Gly Gly Ser Gly Gly Ser Phe His Glu
 20 25 30
 Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Ala Ala Ala Gly Ala
 35 40 45
 Pro Val Pro Tyr Pro Asp Pro Leu Glu Pro Arg Ala Ala
 50 55 60

<210> 2631

<211> 65

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2631

Ala Gln Pro Ala Met Ala Phe His Glu Asn Phe Tyr Asp Trp Phe Val
 1 5 10 15
 Arg Gln Val Ser Gly Gly Ser Gly Gly Ser Gly Gly Ser Gly Gly Ser
 20 25 30
 Phe His Glu Asn Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Ala
 35 40 45
 Ala Ala Gly Ala Pro Val Pro Tyr Pro Asp Pro Leu Glu Pro Arg Ala
 50 55 60
 Ala
 65

<210> 2632

<211> 75

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2632

Ile Ser Glu Phe Gly Ser Ser Arg Val Asp Leu Gln Ala Ser Leu Ala
1 5 10 15

Leu Ala Val Val Leu Gln Arg Arg Asp Trp Glu Asn Pro Gly Val Thr
20 25 30

Gln Leu Asn Arg Leu Ala Ala His Pro Pro Phe Ala Ser Trp Arg Asn
35 40 45

Ser Glu Glu Ala Arg Thr Asp Arg Pro Ser Gln Gln Leu Arg Ser Leu
50 55 60

Asn Gly Glu Trp Gln Leu Gly Cys Phe Gly Gly
65 70 75

<210> 2633

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2633

Phe His Glu Asn
1

<210> 2634

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 2634

Phe His Glu Asn Xaa Xaa Xaa Xaa Xaa
1 5

<210> 2635

<211> 9

<212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2635
 Phe His Glu Asn Phe Tyr Asp Trp Phe
 1 5

<210> 2636
 <211> 6
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2636
 Phe Tyr Asp Trp Phe Val
 1 5

<210> 2637
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2637
 Lys Asp Arg Ala Phe Tyr Asn Gly Leu Arg Asp Leu Val Gly Ala Val
 1 5 10 15

Tyr Gly Ala Trp Asp
 20

<210> 2638
 <211> 12
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2638
 Asn Ser Phe Tyr Glu Ala Leu Arg Met Leu Ser Ser
 1 5 10

<210> 2639

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2639

Ser Leu Asn Phe Tyr Asp Ala Leu Gln Leu Leu Ala
1 5 10

<210> 2640

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2640

His Glu Thr Phe Tyr Ser Met Ile Arg Ser Leu Ala
1 5 10

<210> 2641

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2641

His Asp Pro Phe Tyr Ser Met Met Lys Ser Leu Leu
1 5 10

<210> 2642

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2642

Asp Leu Arg Val Leu Cys Glu Leu Phe Gly Gly Ala Tyr Val Arg Gly
1 5 10 15

Tyr Cys Ser Glu
20

<210> 2643
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2643
His Pro Pro Leu Ser Glu Leu Lys Leu Phe Leu Ile
1 5 10

<210> 2644
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2644
His Pro Ser Leu Ser Asp Met Arg Trp Ile Leu Leu
1 5 10

<210> 2645
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2645
His Pro Thr Ser Lys Glu Ile Tyr Ala Lys Leu Leu
1 5 10

<210> 2646
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2646
His Pro Ser Thr Asn Gln Met Leu Met Lys Leu Phe
1 5 10

<210> 2647

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2647

His Ala Pro Leu Ser Val Leu Gln Ala Leu Leu
1 5 10

<210> 2648

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 2648

Leu Leu Xaa Tyr Phe
1 5

<210> 2649

<211> 50

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2649

Asp Tyr Lys Asp Asp Asp Asp Lys Phe His Glu Asn Phe Tyr Asp Trp
1 5 10 15

Phe Val Arg Gln Val Ser Gly Ser Gly Ser Gly Leu Asp Ala Leu Asp
20 25 30

Arg Leu Met Arg Tyr Gly Glu Glu Arg Pro Ser Leu Ala Ala Ala Gly
35 40 45

Ala Pro
50

<210> 2650

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2650

Trp Ser Asp Phe Tyr Ser Tyr Phe Gln Gly Leu
1 5 10

<210> 2651

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2651

Phe Tyr Ser Leu Leu Ala Ser Leu
1 5

<210> 2652

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2652

Gln Met Lys Asp Ile Phe Tyr Ser Leu Leu Ala Ser Leu Ala Ala Lys
1 5 10 15

Lys

<210> 2653

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2653

Gln Met Lys Asp Ile Phe Tyr Ser Leu Leu Ala Ser Leu Ala Ala
1 5 10 15